

UPPER ANIMAS DATA

Lab Name	Lab. Samp	Lab Job #	BASIN	NEW SITE	STRM_DESCR	OLD SITE	D
Lab. Design				Lab. Project Report I. D.			
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	Gauge	A68	A68
CDOW	103.023		UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDPHE			UA	14th St.	G Animas Gaging Stn	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Br	A68	A68
CDOW			UA	14th St.	G 13th St Bridge	A68	A68
CDOW			UA	14th St.	G 13th St Bridge	A68	A68

CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW	103.09	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW	103.094	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW	103.096	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW	103.097	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
Acculab		UA	14th St. G.Gage above Cement	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
Acculab		UA	14th St. G.Gage above Cement	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G.Upper Animas River	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
		UA	14th St. G.Upper Animas River	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
EPA		UA	14th St. G.Silverton Co.	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
		UA	14th St. G.Upper Animas River	A68	A68
CDOW		UA	14th St. G.AR0742	A68	
		UA	14th St. G.Upper Animas River	A68	A68
CDOW		UA	14th St. G13th St Bridge	A68	A68
USGS		UA	14th St. Gauge	A68	
		UA	14th St. G.Upper Animas River	A68	A68

Acculab	UA	14th St. G.Gaging Station	A68	A68
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
	UA	14th St. G.Upper Animas River	A68	A68
USGS	UA	14th St. Gauge	A68	
Acculab	UA	14th St. Gauge	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
	UA	14th St. G.Upper Animas River	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	
CDOW	UA	14th St. G.AR0742	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
Acculab	UA	14th St. G.Gaging Station	A68	A68
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	A68
USGS	UA	14th St. Gauge	A68	
	UA	14th St. G.Upper Animas River	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
Acculab	UA	14th St. Gauge	A68	A68
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
USGS	UA	14th St. Gauge	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
	UA	14th St. G.Upper Animas River	A68	A68
Acculab	UA	14th St. Gauge	A68	A68
CDOW	UA	14th St. G.AR0742	A68	
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. Gauge	A68	
	UA	14th St. G.Animas	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. G.Animas River @ Silver	A68	CO
Acculab	UA	14th St. Gauge	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	
USGS	UA	14th St. G.Animas River @ Silver	A68	CO
	UA	14th St. G.Animas	A68	A68
CDOW	UA	14th St. G.13th St Bridge	A68	

USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
Acculab		UA	14th St. Gauge	A68	A68
		UA	14th St. G Animas	A68	A68
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
Acculab		UA	14th St. Gauge	A68	A68
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
		UA	14th St. G Animas	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
Acculab		UA	14th St. G Animas @ Silverton	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW	103.147	UA	14th St. Gauge	A68	
		UA	14th St. G Animas	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW	103.148	UA	14th St. Gauge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
Acculab		UA	14th St. G Animas abv Silvertn	A68	A68
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW		UA	14th St. G 13th St Bridge	A68	
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
		UA	14th St. G Animas	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
EPA		UA	14th St. G Animas above Cement	A68 seek	
Acculab		UA	14th St. G Animas abv Cement	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
		UA	14th St. G Animas	A68	A68
Acculab		UA	14th St. G Animas abv Silvertn	A68	A68
CDOW		UA	14th St. G 13th St Bridge	A68	
		UA	14th St. G Animas	A68	A68
Acculab		UA	14th St. G Animas abv Silvertn	A68	A68
Acculab		UA	14th St. Gauge	A68	A68
		UA	14th St. G Animas	A68	A68
USGS		UA	14th St. G Animas River @ Silvertn	A68,CO	
CDOW	103.158	UA	14th St. Gauge	13th St Br A68	
Acculab		UA	14th St. Gauge	A68	A68
CDOW	103.159	UA	14th St. Gauge	13th St Br A68	

CDOW	103.160		UA	14th St. Gauge	13th St Br	A68	
			UA	14th St. G.Animas		A68	A68
CDOW	103.161		UA	14th St. Gauge	13th St Br	A68	
USGS			UA	14th St. G.Animas River @ Silver		A68	CO
Acculab			UA	14th St. Gauge		A68	A68
			UA	14th St. G.Animas		A68	A68
EPA			UA	14th St. G.Animas above Cemen		A68	teek
			UA	14th St. G.Animas		A68	A68
Acculab	99-A16493		UA	14th St. Gauge		A68	
Acculab			UA	14th St. Gauge		A68	
USGS			UA	14th St. G.Animas River @ Silver		A68	CO
Acculab			UA	14th St. Gauge		A68	
CDOW	103.162		UA	14th St. Gauge	13th St Br	A68	
IML			UA	14th St. Gauge		A68	
CDOW	103.163		UA	14th St. Gauge	13th St Br	A68	
Acculab			UA	14th St. Gauge		A68	
CDOW	103.164		UA	14th St. Gauge	13th St Br	A68	
IML			UA	14th St. Gauge		A68	
Acculab	00-A232		UA	14th St. Gauge		A68	
IML			UA	14th St. Gauge		A68	
CDOW	103.165		UA	14th St. Gauge	13th St Br	A68	
Acculab	00-A3553		UA	14th St. Gauge		A68	
CDOW	103.166		UA	14th St. Gauge	13th St Br	A68	
IML			UA	14th St. Gauge		A68	
Acculab	00-A7605		UA	14th St. Gauge		A68	
IML			UA	14th St. Gauge		A68	
Acculab	00-A12138		UA	14th St. Gauge		A68	
IML			UA	14th St. Gauge		A68	
Acculab	00-A16900		UA	14th St. Gauge		A68	
IML			UA	14th St. Gauge		A68	
Acculab	00-A20882		UA	14th St. Gauge		A68	
IML			UA	14th St. Gauge		A68	
Acculab	01-A250		UA	14th St. Gauge		A68	
IML			UA	14th St. Gauge		A68	
Acculab	01-A4438	43910	UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
Acculab	01-A8047		UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
Acculab	01-A13360		UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
Acculab	G01090118-01		UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
Acculab	G01110179-01		UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
Acculab	G02010053-01		UA	14th St. Gauge		A68	
Acculab	G02030171-01	G0203017	UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
IML;			UA	14th St. Gauge		A68	
Sangre de	22140-22142		UA	14th St. Gauge		A68	
CDOW	103.167		UA	14th St. Gauge	13th St Br	A68	
Energy Lal	C02070236-001		UA	14th St. Gauge		A68	

CDOW	103.168	UA	14th St. Gauge	13th St Br	A68
IML;		UA	14th St. Gauge		A68
CDOW	103.169	UA	14th St. Gauge	13th St Br	A68
Energy LalC02090454-001		UA	14th St. Gauge		A68
CDOW	103.170	UA	14th St. Gauge	13th St Br	A68
IML;		UA	14th St. Gauge		A68
CDOW	103.171	UA	14th St. Gauge	13th St Br	A68
Energy LalC02110426		UA	14th St. Gauge		A68
CDOW	103.172	UA	14th St. Gauge	13th St Br	A68
IML;		UA	14th St. Gauge		A68
CDOW	103.173	UA	14th St. Gauge	13th St Br	A68
CDOW	103.174	UA	14th St. Gauge	13th St Br	A68
Energy LalC0301072:C03010722		UA	14th St. G	13th St Bridge	A68
CDOW	103.175	UA	14th St. Gauge	13th St Br	A68
IML;		UA	14th St. Gauge		A68
CDOW	103.176	UA	14th St. Gauge	13th St Br	A68
CDOW	103.177	UA	14th St. Gauge	13th St Br	A68
CDOW	103.178	UA	14th St. Gauge	13th St Br	A68
Energy LalC0305032:C03050327		UA	14th St. G	13th St Bridge	A68
CDOW	103.179	UA	14th St. Gauge		A68
CDOW	103.180	UA	14th St. Gauge	13th St Br	A68
Energy LalC0307023:C03070233		UA	14th St. G	13th St Bridge	A68
CDOW	103.181	UA	14th St. Gauge	13th St Br	A68
CDOW	103.182	UA	14th St. Gauge		A68
Energy Laboratories		UA	14th St. Gauge		A68
CDOW	103.183	UA	14th St. Gauge		A68
Energy LalC03110261-001		UA	14th St. Gauge		A68
CDOW	103.184	UA	14th St. Gauge		A68
CDOW	103.185	UA	14th St. Gauge		A68
Energy LalC04030243-001		UA	14th St. Gauge		A68
CDOW	103.186	UA	14th St. Gauge		A68
CDOW	103.187	UA	14th St. Gauge		A68
Energy LalC04050280-001		UA	14th St. Gauge		A68
CDOW	103.188	UA	14th St. Gauge		A68
CDOW	103.189	UA	14th St. Gauge		A68
CDOW	103.19	UA	14th St. Gauge		A68
Energy LalC04070459-001		UA	14th St. Gauge		A68
CDOW	103.191	UA	14th St. Gauge		A68
Energy LalC04090141-003		UA	14th St. Gauge		A68
CDOW	103.192	UA	14th St. Gauge		A68
CDOW	103.190	UA	14th St. Gauge		A68
CDOW	103.194	UA	14th St. Gauge		103A68
Energy LalC04110529-003		UA	14th St. Gauge		A68
CDOW	103.195	UA	14th St. Gauge		103A68
CDOW	103.196	UA	14th St. Gauge		A68
CDOW	103.197	UA	14th St. Gauge		A68
Energy Laboratories, Inc			14th St. Gauge		A68
CDOW	103.198	UA	14th St. Gauge		A68
CDOW	103.199	UA	14th St. Gauge		A68
CDOW	103.2	UA	14th St. Gauge		A68

Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.201	UA	14th St. Gauge	A68
CDOW	103.202	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.203	UA	14th St. Gauge	A68
CDOW	103.204	UA	14th St. Gauge	A68
CDOW	103.204	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.205	UA	14th St. Gauge	A68
CDOW	103.206	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.208	UA	14th St. Gauge	A68
CDOW	103.207	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.209	UA	14th St. Gauge	A68
CDOW	103.209	UA	14th St. Gauge	A68
CDOW	103.21	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.21	UA	14th St. Gauge	A68
CDOW	103.211	UA	14th St. Gauge	A68
CDOW	103.212	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.211	UA	14th St. Gauge	A68
CDOW	103.213	UA	14th St. Gauge	A68
CDOW	103.214	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.213	UA	14th St. Gauge	A68
CDOW	103.215	UA	14th St. Gauge	A68
CDOW	103.214	UA	14th St. Gauge	A68
CDOW	103.216	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.217	UA	14th St. Gauge	A68
CDOW	103.218	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.219	UA	14th St. Gauge	A68
CDOW	103.22	UA	14th St. Gauge	A68
CDOW	103.221	UA	14th St. Gauge	A68
CDOW	103.222	UA	14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68
CDOW	103.223	UA	14th St. Gauge	A68
	103.223			A68
Energy Laboratories, Inc			14th St. Gauge	A68
	103.224			A68
	103.225			A68
EPA			14th St. Gauge	A68
Energy Laboratories, Inc			14th St. Gauge	A68

	103.226		A68	103
	103.227		A68	103
Energy Laboratories, Inc	103.228	UA	14th St. Gauge	A68
CDOW		UA	14th St. Gauge	A68
	103.229		A68	103
Energy Laboratories, Inc	103.231	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.232	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.235	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.236	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.237	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.238	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.239	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.24	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.241	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.242	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.243	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.245	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.246	UA	14th St. Gauge	A68
Energy Laboratories, Inc	103.247	UA	14th St. Gauge	A68
EPA	103.248	UA	14th St. Gauge	A68
EPA		UA	14th St. Gauge	A68
CDOW	103.249	UA	14th St. Gauge	A68
Energy Laboratories, Inc		UA	14th St. Gauge	A68
EPA		UA	14th St. Gauge	A68
	103.25			A68
EPA		UA	14th St. Gauge	A68
Energy Laboratories, Inc		UA	14th St. Gauge	A68
	103.251			A68
EPA		UA	14th St. Gauge	A68
	103.252			A68
	103.253		14th Street Gauge	A68
EPA		UA	14th St. Gauge	A68
	103.254			A68
				103

EPA		UA	14th St. Gauge	A68	
	103.255			A68	103
EPA		UA	14th St. Gauge	A68	
U.S. EPA, 1004UU/-n1	R_EPA_1	UA	Animas River upstream of the Animas River Confluence with Cen	A68	
	103.256	UA	14th Street Gauge	A68	103
	103.257	UA		A68	103
EPA		UA	14th St. Gauge	A68	
	103.258	UA		A68	103
	103.259	UA	14th Street Gauge	A68	103
EPA		UA	14th St. Gauge	A68	
	103.26	UA		A68	103
	103.261	UA	14th Street Gauge	A68	103
EPA		UA	14th St. Gauge	A68	
	103.262	UA		A68	103
EPA		UA	14th St. Gauge	A68	
	103.263	UA	14th Street Gauge	A68	103
	103.264	UA		A68	103
DOW	L01050930	103.265	UA	14th St. Gauge	A68
Energy Laboratories, Inc			UA	14th Street Gauge	A68
DOW	L02111315	103.266	UA	14th St. Gauge	A68
DOW	L03090830	103.267	UA	14th St. Gauge	A68
Energy Laboratories, Inc			UA	14th Street Gauge	A68
EPA				14th St. Gauge	A68
DOW	L04061220	103.268	UA	14th St. Gauge	A68
Energy Laboratories, Inc			UA	14th Street Gauge	A68
DOW	L05081215	103.269	UA	14th St. Gauge	A68
DOW	L06031325	103.27	UA	14th St. Gauge	A68
EPA				14th St. Gauge	A68
DOW	L07051315	103.271	UA	14th St. Gauge	A68
EPA				14th St. Gauge	A68
DOW	L08011050	103.272	UA	14th St. Gauge	A68
EPA				14th St. Gauge	A68
DOW	L09070900	103.273	UA	14th St. Gauge	A68
Energy Laboratories, Inc			UA	14th Street Gauge	A68
EPA				14th St. Gauge	A68
DOW	L10071030	103.274	UA	14th St. Gauge	A68
EPA				14th St. Gauge	A68
DOW	L11020900	103.275	UA	14th St. Gauge	A68
Energy Laboratories, Inc			UA	14th Street Gauge	A68
DOW	L12071335	103.276	UA	14th St. Gauge	A68
EPA		UA	14th St. G	Animas abv Cement	A68

DISN AlliaDMG & Ot USGS AML MISNOMNSAMPLE NUIDATE IME_24H AGENCY COMMENT TYPE

		09/05/91	WQCD	S
		09/06/91	WQCD	S
		09/07/91	WQCD	S
		09/09/91	WQCD	S
		09/10/91	WQCD	S
		12/08/91 14:20	CRW	S
		01/15/92 10:30	CRW	S
		02/13/92 15:40	CRW	S
		03/05/92 16:04	CRW	S
		03/16/92 16:14	CRW	S
		04/13/92 15:50	CRW	S
		04/20/92 16:07	CRW	S
		04/30/92 11:15	CRW	S
		05/05/92 15:44	CRW	S
		05/11/92 16:00	CRW	S
		05/18/92 16:00	CRW	S
		05/26/92 8:44	CRW	S
		06/01/92 8:43	CRW	S
		06/08/92 8:44	CRW	S
		06/15/92 8:45	CRW	S
		06/22/92 8:10	CRW	S
		06/23/92	WQCD	S
		06/24/92	WQCD	S
		06/25/92	WQCD	S
		07/14/92 8:52	CRW	S
		07/21/92 8:41	CRW	S
		07/27/92 8:42	CRW	S
		08/10/92 8:37	CRW	S
		08/24/92 8:53	CRW	S
103	103199209150749	9/15/1992 7:49:00	CRW	
		09/16/92 15:42	CRW	S
		10/14/92 15:45	CRW	S
		10/14/92	WQCD	S
		10/15/92	WQCD	S
		11/18/92 15:42	CRW	S
		12/16/92 16:18	CRW	S
		01/13/93 15:58	CRW	S
		02/17/93 16:01	CRW	S
		03/10/93 15:53	CRW	S
		03/31/93 15:51	CRW	S
		04/14/93 16:09	CRW	S
		04/21/93 16:00	CRW	S
		04/29/93 16:00	CRW	S
		05/04/93 16:07	CRW	S
		05/12/93 16:05	CRW	S

			05/26/93	12:36	CRW	S
			06/02/93	8:20	CRW	S
			06/09/93	8:34	CRW	S
			06/16/93	16:25	CRW	S
			06/23/93	8:25	CRW	S
			07/14/93	8:28	CRW	S
			07/20/93		WQCD	S
			07/21/93	8:30	CRW	S
			07/21/93		WQCD	S
			07/28/93	8:35	CRW	S
			08/11/93	8:31	CRW	S
			08/25/93	8:34	CRW	S
			09/15/93	15:59	CRW	S
			10/13/93	15:50	CRW	S
			11/17/93	15:51	CRW	S
			12/15/93	15:51	CRW	S
			01/12/94	15:40	CRW	S
			03/16/94	15:55	CRW	S
			03/30/94	15:52	CRW	S
103	103.052	4/13/1994	15:54	CRW	S	
		04/20/94	15:55	CRW	S	
		04/27/94	16:19	CRW	S	
		05/03/94	15:51	CRW	S	
		05/11/94	15:52	CRW	S	
		05/18/94	15:55	CRW	S	
103	103199405241620	5/24/1994	16:20:00	CRW		
		06/01/94	8:05	CRW	S	
		06/08/94	8:20	CRW	S	
		06/15/94	8:20	CRW	S	
		06/22/94	8:10	CRW	S	
		07/13/94	8:16	CRW	S	
		07/20/94	8:38	CRW	S	
		07/27/94	8:40	CRW	S	
		08/10/94	8:36	CRW	S	
		08/24/94	8:25	CRW	S	
		09/15/94	15:45	CRW	S	
		10/13/94	16:10	CRW	S	
		11/09/94	15:50	CRW	S	
		11/09/94		BOR	S	
		12/13/94	15:55	CRW	S	
		01/18/95	16:10	CRW	S	
		02/15/95	16:05	CRW	S	
		03/01/95	15:45	CRW	S	
103	103199503151555	3/15/1995	15:55:00	CRW		
103	103.076	4/6/1995	15:58	CRW	S	
103	103.077	4/12/1995	16:08	CRW	S	
		04/12/95		BOR	S	
103	103199504191608	4/19/1995	16:08:00	CRW		
		05/03/95	15:55	CRW	S	
103	103199505101600	5/10/1995	16:00:00	CRW		
103	103199505221605	5/22/1995	16:05:00	CRW		

			05/31/95	8:42	CRW	S
			06/07/95	8:24	CRW	S
			06/14/95	8:43	CRW	S
			06/21/95	8:29	CRW	S
			06/21/95		BOR	S
			06/28/95	8:34	CRW	S
			07/05/95	8:30	CRW	S
103	103199507121732	7/12/1995	17:32:00	CRW		
			07/19/95	8:38	CRW	S
			08/02/95	8:30	CRW	S
			08/16/95	9:49	CRW	S
			09/06/95		BOR	S
103	103199509131600	9/13/1995	16:00:00	CRW		
			10/11/95	0	CRW	S
103	103199511151619	11/15/1995	16:19:00	CRW		
			11/29/95		BOR	S
103	103199512131620	12/13/1995	16:20:00	CRW		
103			02/14/96		CRW	S
103			03/13/96		CRW	S
103			03/20/96		CRW	S
103	103.099	4/3/1996	15:45	CRW	stream	S
		04/09/96	12:30	BOR		S
103		04/10/96		CRW		S
103		04/17/96		CRW		S
103		05/01/96		CRW		S
103		05/08/96		CRW		S
103		05/15/96		CRW		S
		05/21/96	10:30	BOR		S
103		05/29/96		CRW		S
103		06/05/96		CRW		S
103		06/12/96		CRW		S
		06/18/96	0	SGC		S
103		06/19/96		CRW		S
103		06/26/96		CRW		S
103		07/03/96		CRW		S
103		07/10/96		CRW		S
		07/16/96	10:30	BOR		S
103		07/17/96		CRW		S
103		08/07/96		CRW		S
		8/14/1996	10:00	BOR		S
		8/14/1996	0	SGC		S
103		08/21/96		CRW		S
103		09/18/96		CRW		S
A-68		10/01/96		DMG		S
103		10/16/96		CRW		S
		10/18/1996	0	SGC		S
		10/23/1996		CRW		S
		11/7/1996	0	SGC		S
103		11/13/1996		CRW		S
		11/19/96	13:10	USGS		S
		12/13/1996	0	SGC		S

			1/7/1997	10:00	BOR	S
	5		01/08/97	15:30	USGS	S
	6		01/30/97	10:00	USGS	S
		75	2/5/1997	0	SGC	S
			02/25/97	12:00	USGS	S
			3/5/1997	9:00	BOR	S
	103		03/12/97		CRW	S
	103		03/19/97		CRW	S
		74	03/25/97	11:45	USGS	S
	103		04/02/97		CRW	S
			4/11/1997	0	SGC	S
	103		04/16/97		CRW	S
			4/16/1997		CRW	S
		76	04/29/97	10:00	USGS	S
	103		04/30/97		CRW	S
			05/07/97		BOR	S
		109	05/14/97	9:20	USGS	S
	103		05/21/97		CRW	S
		110	05/21/97	8:30	USGS	S
	103		05/28/97		CRW	S
		111	05/29/97	9:30	USGS	S
9	103		06/04/97		CRW	S
		112	06/05/97	11:00	USGS	S
			6/10/1997	0	SGC	S
103.0		103.1	6/11/1997	9:50	CRW	S
		135	06/11/97	10:00	USGS	S
		134	06/16/97	13:00	USGS	S
103		103.128	6/18/1997	8:55	CRW	S
103		103.129	6/25/1997	8:45	CRW	S
		133	06/26/97	11:00	USGS	S
		132	07/01/97	14:00	USGS	S
103		103.130	7/2/1997	8:55	CRW	S
			07/09/97	9:30	BOR	S
		131	07/15/97	11:00	USGS	S
103		103.131	7/16/1997	8:45	CRW	S
		202	07/30/97	11:15	USGS	S
		203	08/12/97	12:00	USGS	S
103		103.132	8/13/1997	9:10	CRW	S
			8/13/1997	0	SGC	S
			09/11/97	10:00	BOR	S
			9/11/1997		CRW	S
103		103.133	9/17/1997	16:05	CRW	S
		201	09/25/97	11:00	USGS	S
			10/8/1997	0	SGC	S
103.0		103.1	10/15/1997	15:55	CRW	S
		276	10/22/97	14:00	USGS	S
			11/12/97	10:45	BOR	S
103		103.135	11/12/1997	13:55	CRW	S
		277	11/25/97	15:15	USGS	S
			12/3/1997	0	SGC	S
103.0		103.1	12/17/1997	16:05	CRW	S

	328		12/23/97	14:00	USGS	Est.Q	S
			01/07/98		BOR		S
			2/4/1998	0	SGC		S
103.0	321		02/12/98	13:00	USGS	Est. Q	S
		103.1	3/4/1998	16:00	CRW		S
			03/05/98	9:30	BOR		S
	332		03/16/98	14:30	USGS		S
103		103.138	3/18/1998	16:20	CRW		S
103		103.139	4/1/1998	15:50	CRW		S
			04/08/98	12:15	SGC		S
103		103.140	4/15/1998	17:04	CRW		S
	340		04/23/98	12:30	USGS		S
103		103.141	4/29/1998	16:21	CRW		S
103		103.142	5/5/1998	15:54	CRW		S
	351		05/06/98	11:15	USGS		S
			05/07/98		BOR		S
103		103.143	5/13/1998	16:15	CRW		S
103		103.144	5/20/1998	11:05	CRW		S
103		103.145	5/27/1998	9:00	CRW		S
	381		05/29/98	13:00	USGS		S
	382		06/02/98	7:30	USGS		S
103		103.146	6/3/1998	8:30	CRW		S
	413		06/09/98	14:30	USGS		S
103		103199806100830	6/10/1998	8:30:00	CRW		
			06/10/98	11:30	SGC		S
103		103.148	6/17/1998	8:50	CRW		S
103		103199806170830	6/17/1998	8:30:00	CRW		
103		103.149	6/24/1998	9:30	CRW		S
	414		06/24/98	12:00	USGS		S
AR0742	33756 843		07/01/98	10:45	BOR		S
	415		07/09/98	14:50	USGS		S
103		103.151	7/15/1998	8:40	CRW		S
103		103.152	7/22/1998	9:00	CRW		S
	477		07/22/98	14:30	USGS		S
			08/05/98	11:30	SGC		S
103		103.153	8/26/1998	8:20	CRW		S
			9/2/1998	10:15	DMG		S
AR0742	33756 843		09/09/98	9:15	BOR		S
103		103.154	9/16/1998	16:13	CRW		S
	601		09/30/98	13:15	USGS		S
			10/07/98	12:00	SGC		S
			11/03/98	9:00	BOR		S
103		103.156	11/18/1998	16:20	CRW		S
			12/02/98	12:00	SGC		S
AR0742	33756 843		01/06/99	9:30	BOR		S
			01/06/99	9:30	BOR		S
			02/04/99	9:10	SGC		S
	661		02/17/99	14:45	USGS		S
103			2/24/1999	16:10	CRW		S
AR0742	33756 843		03/03/99	9:00	BOR		S
103			3/17/1999	16:15	CRW		S

103		4/1/1999	16:18	CRW	S
		04/07/99	9:55	SGC	S
103		4/26/1999	16:15	CRW	S
	681	04/29/99	12:00	USGS	S
AR0742	33756 843	05/06/99	9:00	BOR	S
		06/09/99	9:20	SGC	S
A-68		6/23/1999	14:50	DMG	S
		07/07/99	9:15	SGC	S
	99-A16493	8/4/99	10:00	BOR	S
	99-A16493	8/4/1999	10:00	BOR	S
	792	08/19/99	12:30	USGS	neg. 41 sh S
	99-A19163	9/1/1999	10:30	BOR	S
103		9/16/1999	16:30	CRW	S
		10/06/99	9:00	SGC	S
103		10/14/1999	16:09	CRW	S
	99-A24557	11/3/1999	10:30	BOR	S
103		11/17/1999	16:05	CRW	S
		12/01/99	10:00	SGC	S
		1/5/00	9:00	BOR	S
		02/02/00	11:00	SGC	S
103		2/28/2000	15:58	CRW	S
		3/1/00	10:00	BOR	S
103		3/15/2000	10:05	CRW	S
		04/05/00	10:15	SGC	S
		5/3/00	9:30	BOR	S
		06/07/00	9:15	SGC	S
		7/5/00	9:30	BOR	S
		08/02/00	9:15	SGC	S
		9/6/00	9:30	BOR	S
		10/04/00	9:15	SGC	S
		11/1/00	10:00	BOR	S
		12/06/00	9:15	SGC	S
		1/3/01	10:00	BOR	S
		02/07/01	9:15	SGC	S
		3/14/01	11:00	BOR	S
		04/04/01	10:30	SGC	S
		5/2/01	10:00	BOR	S
		06/06/01	9:30	SGC	S
		7/6/01	10:30	BOR	S
		08/01/01	10:00	SGC	S
		9/5/01	9:30	BOR	S
		10/03/01	8:30	SGC	S
		11/7/01	9:00	BOR	S
		12/05/01	9:15	SGC	S
		1/2/02	10:00	BOR	S
		3/6/02	10:30	BOR	S
		04/03/02	9:00	SGC	S
		05/01/02	10:00	SGC	S
		6/5/02		BOR	S
103		6/27/2002	12:50	CRW	S
		7/3/02	10:00	BOR	S

103		7/17/2002	13:15	CRW	S	
		08/07/02	9:30	SGC	S	
103		8/14/2002	12:15	CRW	S	
		9/4/02	9:30	BOR	S	
103		9/18/2002	17:20	CRW	S	
		10/02/02	9:15	SGC	S	
103		10/25/2002	9:17	CRW	S	
		11/6/02	9:00	BOR	S	
103		11/12/2002	13:00	CRW	S	
		12/04/02	11:00	SGC	S	
103		12/8/2002	13:05	CRW	S	
103		1/8/2003	12:35	CRW	S	
AR0742		1/9/2003	9:00	BOR	S	
103		2/1/2003	15:40	CRW	S	
		02/05/03	9:30	SGC	S	
103		3/9/2003	17:00	CRW	S	
103		4/24/2003	11:40	CRW	S	
103		5/7/2003	9:00	CRW	S	
AR0742		5/7/2003	9:00	BOR	S	
103	103200306021421	6/2/2003	14:21:00	CRW		
103		7/2/2003		CRW	S	
AR0742		7/2/2003		BOR	S	
103		8/14/2003	11:35	CRW	S	
	103	9/11/2003	11:30	CRW	S	
		9/11/03	11:30	BOR	dissolved r S	
	103	10/4/2003	16:44	CRW	S	
		11/6/03	10:00	BOR	S	
	103	12/29/2003	15:15	CRW	S	
	103	3/3/2004	10:00	CRW	S	
		3/3/04	10:00	BOR	S	
	103	4/16/2004	13:35	CRW	S	
	103	5/5/2004	9:30	CRW	S	
		5/5/04	9:30	BOR	S	
	103	5/28/2004	14:00	CRW	S	
	103	6/17/2004	13:00	CRW	S	
103	103200407070900	7/7/2004	9:00:00	CRW		
		7/7/04	9:00	BOR	S	
	103	8/19/2004	12:45	CRW	S	
		9/1/04	10:30	BOR	S	
103	103200409151330	9/15/2004	13:30:00	CRW		
	103		10/14/2004	12:28	CRW	S
	103	103.194	11/10/04	11:00	CRW	BOR Colle S
			11/10/04	11:00	BOR	S
	103	103.195	12/08/04	10:55	CRW	S
		103.196	01/20/05	12:30	CRW	S
		103.197	02/15/05	10:47	CRW	S
	A-68	03/02/2005		10:00	BOR	S
		103.198	03/13/05	12:55	CRW	S
		103.199	04/09/05	12:05	CRW	S
		103.2	05/04/05	9:00	CRW	S

	A-68	05/04/2005	9:00 BOR	S
103	103200506090820	6/9/2005	8:20:00 CRW	
103	103200507061000	7/6/2005	10:00:00 CRW	
	A-68	07/06/2005	10:00 BOR	S
		8/10/05	CRW	S
		9/14/05	CRW	S
		9/14/05	CRW	S
	A-68	9/15/2005	9:00 BOR	S
		10/13/05	CRW	S
		11/2/05	CRW	S
	A-68	11/2/2005	9:00 BOR	S
		12/20/05	CRW	S
		1/6/06	CRW	S
		01/06/2006	10:00 BOR	S
		2/8/06	CRW	S
		3/7/06	CRW	S
		3/15/06	CRW	S
		03/15/2006	9:00 BOR	S
		4/5/06	CRW	S
		4/5/06	CRW	S
		5/10/06	CRW	S
		05/10/2006	10:00 BOR	S
		05/16/2006	12:30 BOR	S
		6/6/06	CRW	S
		6/6/06	CRW	S
		7/12/06	CRW	S
		07/12/2006	9:00 BOR	S
		8/2/06	CRW	S
		8/2/06	CRW	S
		9/6/06	CRW	S
		9/6/06	CRW	S
		09/06/2006	9:00 BOR	S
		10/11/06	CRW	S
		11/1/06	CRW	S
		11/01/2006	9:00 BOR	S
		12/5/06	CRW	S
		1/11/07	CRW	S
		2/6/07	CRW	S
		3/7/07	CRW	S
		03/07/2007	9:00 BOR	S
		4/2/07	CRW	S
	103200704021305	4/2/2007 13:05:00 DOW		
		05/11/2007	10:00 BOR	S
	103200705111000	5/11/2007	10:00:00 DOW	
	103200706051030	6/5/2007	10:30:00 DOW	
		6/14/07	14:30 ARSG	USGS at 1S
		07/11/2007	9:30 BOR	S

	103200707110930	7/11/2007	9:30:00 DOW	
	103200708061305	8/6/2007	13:05:00 DOW	
		09/05/2007	11:00 BOR	S
	103200709051100	9/5/2007	11:00:00 DOW	
		103.229	10/25/2007 14:40 CDOW	
	103200710251440	10/25/2007 14:40:00 DOW		
		11/07/2007	9:00 BOR	S
	103200712051350	12/5/2007	13:50:00 DOW	
		01/02/08	BOR	S
	103200801020930	1/2/2008	9:30:00 DOW	
		03/12/08	9:00 BOR	S
	103200804101340	4/10/2008	13:40:00 DOW	
		05/07/08	10:00 BOR	S
	103200805071000	5/7/2008	10:00:00 DOW	
	103200806031400	6/3/2008	14:00:00 DOW	
		07/09/08	9:00 BOR	S
	103200807090945	7/9/2008	9:45:00 DOW	
	103200808051130	8/5/2008	11:30:00 DOW	
		09/03/08	11:00 BOR	S
	103200809031100	9/3/2008	11:00:00 DOW	
	103200810061500	10/6/2008	15:00:00 DOW	
		11/07/08	9:00 BOR	S
	103200811071230	11/7/2008	12:30:00 DOW	
	103200812031300	12/3/2008	13:00:00 DOW	
		3/4/2009	9:00 BOR	clear; low S
	103200903040900	3/4/2009	9:00:00 DOW	
	103200904061335	4/6/2009	13:35:00 DOW	
		5/13/2009	9:00 BOR	turbid high S
	103200905130900	5/13/2009	9:00:00 DOW	
		05/19/09	10:45 EPA	S
	103200906021020	6/2/2009	10:20:00 DOW	
		06/16/09	11:40 EPA	S
103	103200907081000	7/8/2009	10:00:00 CRW	Conductivity 162 umhos/cm
		7/8/2009	10:00 BOR	S
		07/14/09	10:35 EPA	S
	103200908121040	8/12/2009	10:40:00 DOW	
		08/18/09	10:45 EPA	S
		9/16/2009	9:30 BOR	S
	103200909160930	9/16/2009	9:30:00 DOW	
		09/22/09	11:15 EPA	S
	103200910051245	10/5/2009	12:45:00 DOW	
		11/4/2009	9:00 BOR	
	103200911051100	11/5/2009	11:00:00 DOW	
		11/17/09	11:15 EPA	S
	103200912011340	12/1/2009	13:40:00 DOW	

	1002004-01	02/17/10	12:15	EPA	A	
	103201003021250	3/2/2010	12:50:00	DOW		
	1003013-01	03/17/10	14:15	EPA		
eek and Mineral Creek in Silverton. Sample	1007-01	4/13/2010				
	103201004161405	4/16/2010	14:05:00	DOW		
		5/5/2010	9:00	BOR		
	103201005050900	5/5/2010	9:00:00	DOW		
	1006002-01	06/02/10	9:45	EPA		
	103201006021420	6/2/2010	14:20:00	DOW		
		7/8/2010	9:00	BOR		
	103201007080900	7/8/2010	9:00:00	DOW		
	1007017-01	07/13/10	10:00	EPA		
	103201008101005	8/10/2010	10:05:00	DOW		
		9/9/2010	9:00	BOR		
	103201009090900	9/9/2010	9:00:00	DOW		
	1009024-01	09/14/10	10:00	EPA		
	103201010040945	10/4/2010	9:45:00	DOW		
	1011008-01	11/02/10	9:45	EPA		
		11/3/2010	9:00	BOR		
	103201011030900	11/3/2010	9:00:00	DOW		
	103201012071400	12/7/2010	14:00:00	DOW		
103		1/5/2011	9:30:00	DOW		
		1/5/2011	9:30	BOR		
103		2/11/2011	13:15:00	DOW	S	
103		3/9/2011	8:30:00	DOW		
		3/9/2011	8:30	BOR		
	1103001-01	03/15/11	12:15	EPA	S	
103		4/6/2011	12:20:00	DOW		
		5/4/2011	8:30	BOR		
103		5/8/2011	12:15:00	DOW		
103		6/3/2011	13:25:00	DOW		
		1106010-01	06/14/11	13:15	EPA	
103			7/5/2011	13:15:00	DOW	
		1107016-0	07/19/11	10:00	EPA	
103			8/1/2011	10:50:00	DOW	
		1108015-01	08/16/11	10:00	EPA	
103			9/7/2011	9:00:00	DOW	
			9/7/2011	9:00	BOR	
		1109011-01	09/13/11	10:00	EPA	
103			10/7/2011	10:30:00	DOW	
		1110009-0	10/18/11	9:30	EPA	
103			11/2/2011	9:00:00	DOW	
			11/2/2011	9:00	BOR	
103			12/7/2011	13:35:00	DOW	

HWMD

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PURPOSE	LAT_DD	LONG_DD	ELEV_FT	daily mea	instantaneou	EST_Q_GPPH	pH-lab	TEMP_C
				flow_CFS	flow_CFS			
G	37.8111	107.6586	9290	61.2		7.91		12.8
G	37.8111	107.6586	9290	84.5		7.8		8.3
G	37.8111	107.6586	9290	101.6		7.66		7.4
G	37.8111	107.6586	9290	116.5		7.53		5.2
G	37.8111	107.6586	9290	126.9		7.77		8
G	37.8111	107.6586	9290	25.0		7.9		1
G	37.8111	107.6586	9290	17.8		7.41		0
G	37.8111	107.6586	9290	-9.0		7.34		0
G	37.8111	107.6586	9290	-9.0		7.41		2
G	37.8111	107.6586	9290	-9.0		7.29		5
G	37.8111	107.6586	9290	-9.0		7.39		9
G	37.8111	107.6586	9290	-9.0		7.5		9
G	37.8111	107.6586	9290	328.0		8		7
G	37.8111	107.6586	9290	-9.0		7.43		9
G	37.8111	107.6586	9290	-9.0		7.4		12.5
G	37.8111	107.6586	9290	-9.0		7.38		8
G	37.8111	107.6586	9290	-9.0		7.23		5
G	37.8111	107.6586	9290	-9.0		7.44		4
G	37.8111	107.6586	9290	-9.0		7.51		4
G	37.8111	107.6586	9290	-9.0		7.7		3
G	37.8111	107.6586	9290	-9.0		7.49		5
G	37.8111	107.6586	9290	486.0		7.3		7
G	37.8111	107.6586	9290	463.0		7.5		9
G	37.8111	107.6586	9290	421.0		7.6		5.5
G	37.8111	107.6586	9290	-9.0		7.68		6
G	37.8111	107.6586	9290	-9.0		7.5		8
G	37.8111	107.6586	9290	191.0		7.52		7
G	37.8111	107.6586	9290	91.0		7.66		9
G	37.8111	107.6586	9290	116.0		7.03		2
	37.8111	107.6586	9290			7.61		6
G	37.8111	107.6586	9290	60.0		7.41		14
G	37.8111	107.6586	9290	-9.0		7.63		7.5
G	37.8111	107.6586	9290	26.8		6.3		5.5
G	37.8111	107.6586	9290	29.2		6.5		4.5
G	37.8111	107.6586	9290	-9.0		7.46		5
G	37.8111	107.6586	9290	-9.0		7.21		0
G	37.8111	107.6586	9290	16.0		7.15		0
G	37.8111	107.6586	9290	16.0		7.3		2
G	37.8111	107.6586	9290	22.0		7.52		5
G	37.8111	107.6586	9290	24.0		7.05		7
G	37.8111	107.6586	9290	27.0		7.21		6
G	37.8111	107.6586	9290	40.0		6.94		10
G	37.8111	107.6586	9290	99.0		7.3		10
G	37.8111	107.6586	9290	132.0		7.16		7
G	37.8111	107.6586	9290	190.0		7.5		10

G	37.8111	107.6586	9290	741.0	7.21	9
G	37.8111	107.6586	9290	718.0	8.41	5
G	37.8111	107.6586	9290	299.0	7.2	4
G	37.8111	107.6586	9290	907.0	7.28	9
G	37.8111	107.6586	9290	769.0	7.39	5
G	37.8111	107.6586	9290	-9.0	7.4	11
G	37.8111	107.6586	9290	206.0	7.7	12.5
G	37.8111	107.6586	9290	221.0	7.37	7
G	37.8111	107.6586	9290	206.0	6.55	9.1
G	37.8111	107.6586	9290	170.0	7.4	8
G	37.8111	107.6586	9290	122.0	7.55	9
G	37.8111	107.6586	9290	83.0	8.1	8
G	37.8111	107.6586	9290	88.0	8.2	15
G	37.8111	107.6586	9290	52.0	7.67	11
G	37.8111	107.6586	9290	33.0	7.38	2
G	37.8111	107.6586	9290	24.0	7.13	3
G	37.8111	107.6586	9290	53.0	7.31	2
G	37.8111	107.6586	9290	-9.0	7.16	5
G	37.8111	107.6586	9290	-9.0	7.25	7
G	37.8111	107.6586	9290	-9.0	7.34	11
G	37.8111	107.6586	9290	-9.0	7.01	10
G	37.8111	107.6586	9290	-9.0	7.2	3
G	37.8111	107.6586	9290	-9.0	7.27	9
G	37.8111	107.6586	9290	-9.0	7.17	14
G	37.8111	107.6586	9290	-9.0	7.47	11
	37.8111	107.6586	9290		7.45	7
G	37.8111	107.6586	9290	-9.0	7.48	5
G	37.8111	107.6586	9290	-9.0	7.59	5
G	37.8111	107.6586	9290	-9.0	7.56	4
G	37.8111	107.6586	9290	-9.0	7.43	5
G	37.8111	107.6586	9290	-9.0	7.72	7
G	37.8111	107.6586	9290	-9.0	7.59	7
G	37.8111	107.6586	9290	-9.0	7.58	10
G	37.8111	107.6586	9290	-9.0	7.42	10
G	37.8111	107.6586	9290	-9.0	7.57	8
G	37.8111	107.6586	9290	-9.0	7.68	12
G	37.8111	107.6586	9290	-9.0	7.9	11
G	37.8111	107.6586	9290	-9.0	7.18	6
G	37.8111	107.6586	9290	-9.0	6.55	0
G	37.8111	107.6586	9290	41.0	7.22	0
G	37.8111	107.6586	9290	32.0	7.31	-3
G	37.8111	107.6586	9290	-9.0	6.63	-1
G	37.8111	107.6586	9290	-9.0	7.31	0
	37.8111	107.6586	9290		7.17	5
G	37.8111	107.6586	9290	-9.0	6.91	12
G	37.8111	107.6586	9290	49.0	7.1	13
G	37.8111	107.6586	9290	-9.0	7.8	-9
	37.8111	107.6586	9290		7.13	10
G	37.8111	107.6586	9290	-9.0	7.12	9
	37.8111	107.6586	9290		7.25	7
	37.8111	107.6586	9290		7.75	7

G	37.8111	107.6586	9290	-9.0	7.3	3
G	37.8111	107.6586	9290	-9.0	7.46	2
G	37.8111	107.6586	9290	-9.0	7.25	3
G	37.8111	107.6586	9290	-9.0	7.16	2
G	37.8111	107.6586	9290	-9.0	7.35	-9
G	37.8111	107.6586	9290	-9.0	7.18	4
G	37.8111	107.6586	9290	-9.0	7.09	2
	37.8111	107.6586	9290		7.03	9
G	37.8111	107.6586	9290	-9.0	7.29	5
G	37.8111	107.6586	9290	-9.0	7.52	6
G	37.8111	107.6586	9290	-9.0	7.53	6
G	37.8111	107.6586	9290	-9.0	7.55	-9
	37.8111	107.6586	9290		7.34	12
G	37.8111	107.6586	9290	-9.0	7.31	0
	37.8111	107.6586	9290		7.51	3
G	37.8111	107.6586	9290	-9.0	7.19	-9
	37.8111	107.6586	9290		7.49	
G	37.8111	107.6586	9290	-9.0	7.21	4
G	37.8111	107.6586	9290	-9.0	6.44	3
G	37.8111	107.6586	9290	-9.0	7.94	4
G	37.8111	107.6586	9290	-9.0	6.94	12
G	37.8111	107.6586	9290	60.3	7.23	8.1
G	37.8111	107.6586	9290	-9.0	6.8	10
G	37.8111	107.6586	9290	-9.0	7.6	6
G	37.8111	107.6586	9290	-9.0	7.29	10
G	37.8111	107.6586	9290	-9.0	7.26	10
G	37.8111	107.6586	9290	-9.0	7.11	10
G	37.8111	107.6586	9290	-9.0	6.92	-9
G	37.8111	107.6586	9290	-9.0	6.03	4
G	37.8111	107.6586	9290	-9.0	7.13	4
G	37.8111	107.6586	9290	-9.0	7.45	5
G	37.8111	107.6586	9290	514.6	6.96	7.40
G	37.8111	107.6586	9290	-9.0	6.59	4.5
G	37.8111	107.6586	9290	-9.0	7.37	6
G	37.8111	107.6586	9290	-9.0	7.63	7
G	37.8111	107.6586	9290	-9.0	7.36	8
G	37.8111	107.6586	9290		5.15	
G	37.8111	107.6586	9290	-9.0	7.53	10
G	37.8111	107.6586	9290	-9.0	7.12	7
G	37.8111	107.6586	9290	-9.0	7.5	
G	37.8111	107.6586	9290	39.8	7.1	11.0
G	37.8111	107.6586	9290	-9.0	6.96	-9
G	37.8111	107.6586	9290	-9.0	7.47	5
G	37.8111	107.6586	9290	55.0	8.35	2.7
G	37.8111	107.6586	9290	-9.0	7.07	6
G	37.8111	107.6586	9290	85.1	7.4	5.0
G	37.8111	107.6586	9290	-9.0	7.68	3.70
G	37.8111	107.6586	9290	64.2	7.6	2.0
G	37.8111	107.6586	9290	-9.0	7.0	7.0
G	37.8111	107.6586	9290	42.9	7.54	3.0
G	37.8111	107.6586	9290	-9.0	6.7	2.0

G	37.8111	107.6586	9290		6.2	
G	37.8111	107.6586	9290	47.4	6.67	0.0
G	37.8111	107.6586	9290	8.5	6.48	-0.2
G	37.8111	107.6586	9290	-9.0	6.8	1.0
G	37.8111	107.6586	9290	18.1	6.90	0.1
G	37.8111	107.6586	9290		7.6	
G	37.8111	107.6586	9290	-9.0	7.25	4
G	37.8111	107.6586	9290	-9.0	6.92	8
G	37.8111	107.6586	9290	45.1	6.42	3.8
G	37.8111	107.6586	9290	-9.0	7.12	2
G	37.8111	107.6586	9290	25.0	7.4	4.0
G	37.8111	107.6586	9290	-9.0	7.02	11
G	37.8111	107.6586	9290	-9.0	7.65	-9.00
G	37.8111	107.6586	9290	95.5	6.14	3.5
G	37.8111	107.6586	9290	-9.0	7.06	10
G	37.8111	107.6586	9290		7.35	
G	37.8111	107.6586	9290	433.0	7.15	3.3
G	37.8111	107.6586	9290	-9.0	7.21	5
G	37.8111	107.6586	9290	514.0	6.10	3.8
G	37.8111	107.6586	9290	-9.0	7.37	3
G	37.8111	107.6586	9290	238.0	6.45	4.3
G	37.8111	107.6586	9290	-9.0	7.18	4
G	37.8111	107.6586	9290	883.0	6.09	7.6
G	37.8111	107.6586	9290	406.0	6.6	8.0
G	37.8111	107.6586	9290	-9.0	7.3	4.0
G	37.8111	107.6586	9290	451.0	6.95	4.5
G	37.8111	107.6586	9290	580.0	6.85	8.0
G	37.8111	107.6586	9290	-9.0	7.71	3.0
G	37.8111	107.6586	9290	-9.0	7.30	4.0
G	37.8111	107.6586	9290	606.0	6.65	6.5
G	37.8111	107.6586	9290	585.0	6.69	10.4
G	37.8111	107.6586	9290	-9.0	7.36	3.0
G	37.8111	107.6586	9290		7.33	
G	37.8111	107.6586	9290	355.0	6.70	7.1
G	37.8111	107.6586	9290	-9.0	7.58	12.0
G	37.8111	107.6586	9290	324.0	6.79	8.7
G	37.8111	107.6586	9290	232.0	6.64	9.1
G	37.8111	107.6586	9290	-9.0	7.24	7.0
G	37.8111	107.6586	9290	217.0	6.1	9.2
G	37.8111	107.6586	9290		6.7	
G	37.8111	107.6586	9290	-9.0	7.58	22.00
G	37.8111	107.6586	9290	-9.0	7.66	19.0
G	37.8111	107.6586	9290	202.0	6.83	5.7
G	37.8111	107.6586	9290	149.5	6.8	4.7
G	37.8111	107.6586	9290	-9.0	7.6	7.0
G	37.8111	107.6586	9290	115.0	6.42	7.0
G	37.8111	107.6586	9290		7.57	
G	37.8111	107.6586	9290	-9.0	7.62	5.0
G	37.8111	107.6586	9290	44.2	6.48	2.3
G	37.8111	107.6586	9290	-9.0	6.7	1.7
G	37.8111	107.6586	9290	-9.0	7.8	1.0

G	37.8111	107.6586	9290	39.0	5.80	2.5
G	37.8111	107.6586	9290		7.41	
G	37.8111	107.6586	9290	-9.0	7.2	1.3
G	37.8111	107.6586	9290	25.0	5.96	-0.2
G	37.8111	107.6586	9290	-9.0	7.2	4.0
G	37.8111	107.6586	9290		7.38	
G	37.8111	107.6586	9290	25.1	7.40	4.5
G	37.8111	107.6586	9290	-9.0	-9.00	1.0
G	37.8111	107.6586	9290	-9.0	-9.00	0.0
G	37.8111	107.6586	9290	29.0	6.61	5
G	37.8111	107.6586	9290	-9.0	6.32	7.0
G	37.8111	107.6586	9290	52.0	6.54	7.5
G	37.8111	107.6586	9290	-9.0	7.19	10.0
G	37.8111	107.6586	9290	-9.0	7.15	9.0
G	37.8111	107.6586	9290	168.0	6.98	4.0
G	37.8111	107.6586	9290		6.95	
G	37.8111	107.6586	9290	-9.0	6.80	11.0
G	37.8111	107.6586	9290	-9.0	6.96	7.0
G	37.8111	107.6586	9290	-9.0	7.16	3.0
G	37.8111	107.6586	9290	449.0	6.81	7.9
G	37.8111	107.6586	9290	621.0	6.56	2.5
G	37.8111	107.6586	9290	-9.0	6.57	2.0
G	37.8111	107.6586	9290	193.0	6.60	9.8
	37.8111	107.6586	9290		6.57	2
G	37.8111	107.6586	9290	-9.0	6.9	6
G	37.8111	107.6586	9290	-9.0	7.01	4.0
	37.8111	107.6586	9290		6.45	2
G	37.8111	107.6586	9290	-9.0	5.88	6.0
G	37.8111	107.6586	9290	485.0	6.86	5.6
G	37.8111	107.6586	9290		7.29	-9.00
G	37.8111	107.6586	9290	325.0	7.00	9.8
G	37.8111	107.6586	9290	-9.0	6.18	6.0
G	37.8111	107.6586	9290	-9.0	6.19	7.0
G	37.8111	107.6586	9290	141.0	6.95	14.0
G	37.8111	107.6586	9290	72.0	6.1	10
G	37.8111	107.6586	9290	-9.0	5.76	10.0
G	37.8111	107.6586	9290	83.0	6.89	8.8
G	37.8111	107.6586			7.60	-9.00
G	37.8111	107.6586	9290	-9.0	5.83	13.0
G	37.8111	107.6586	9290	34.0	7.27	10.6
G	37.8111	107.6586	9290	62.0	7.65	8
G	37.8111	107.6586	9290		7.21	
G	37.8111	107.6586	9290	-9.0	6.73	5.0
G	37.8111	107.6586	9290	39.0	6.63	5
G	37.8111	107.6586	9290		7.40	-9.00
G	37.8111	107.6586	9290		6.75	
G	37.8111	107.6586	9290	-9.0	6.69	3
G	37.8111	107.6586	9290	27.6	7.13	0.4
G	37.8111	107.6586	9290	-9.0	7.40	4.0
G	37.8111	107.6586	9290		7.07	-9.00
G	37.8111	107.6586	9290	-9.0	7.15	3.0

G	37.8111	107.6586	9290	-9.0	7.14	3.0
G	37.8111	107.6586	9290	-9.0	7.34	2
G	37.8111	107.6586	9290	-9.0	7.34	9.0
G	37.8111	107.6586	9290	58.3	6.90	5.1
G	37.8111	107.6586	9290		6.81	-9.00
G	37.8111	107.6586	9290	613.0	6.94	6
G	37.8111	107.6586	9290	725.0	7.25	9.5
G	37.8111	107.6586	9290	150.0	5.95	10
G	37.8111	107.6586	9290		7.37	
G	37.8111	107.6586	9290		7.37	
G	37.8111	107.6586	9290	205.0	7.05	11.2
G	37.8111	107.6586	9290		7.11	
G	37.8111	107.6586	9290	-9.0	7.23	12.0
G	37.8111	107.6586	9290	ND	6.87	7
G	37.8111	107.6586	9290	-9.0	7.23	11.0
G	37.8111	107.6586	9290		7.11	
G	37.8111	107.6586	9290	-9.0	8.14	10.0
G	37.8111	107.6586	9290	ND	6.05	2.3
G	37.8111	107.6586	9290	29.0	7	7.2
G	37.8111	107.6586	9290	ND	6.1	2.7
G	37.8111	107.6586	9290	-9.0	6.97	4.0
G	37.8111	107.6586	9290	17.0	6.29	7
G	37.8111	107.6586	9290	-9.0	-9.00	2.0
G	37.8111	107.6586	9290	ND	6.63	3.5
G	37.8111	107.6586	9290	328.0	6.45	7.3
G	37.8111	107.6586	9290	821.0	6.4	7.4
G	37.8111	107.6586	9290	92.0	7.27	7.9
G	37.8111	107.6586	9290	ND	7.12	12.1
G	37.8111	107.6586	9290	106.0	6.64	8.4
G	37.8111	107.6586	9290	ND	6.69	7.1
G	37.8111	107.6586	9290		6.7	1.5
G	37.8111	107.6586	9290	ND	6.51	2.4
G	37.8111	107.6586	9290		7.1	7.1
G	37.8111	107.6586	9290	ND	6.28	3.5
G	37.8111	107.6586	9290		7	7.2
G	37.8111	107.6586	9290	ND	6.31	4.8
G	37.8111	107.6586	9290		6.75	7.7
G	37.8111	107.6586	9290	ND	6.44	7.6
G	37.8111	107.6586	9290		7.2	7.6
G	37.8111	107.6586	9290	ND	7.06	22.6
G	37.8111	107.6586	9290		7.7	7.91
G	37.8111	107.6586	9290	ND	7.14	6.8
G	37.8111	107.6586	9290		7.28	7.52
G	37.8111	107.6586	9290	ND	6.4	2.2
G	37.8111	107.6586	9290		7.06	7.44
G	37.8111	107.6586	9290		6.8	7.56
G	37.8111	107.6586	9290	ND	6.09	6
G	37.8111	107.6586	9290	ND	6.26	5.8
G	37.8111	107.6586	9290		7.46	5.8
G	37.8111	107.6586	9290	-9.0	7.66	11.0
G	37.8111	107.6586	9290		7.58	7.64
						10.3

G	37.8111	107.6586	9290	-9.0	7.42	14.0
G	37.8111	107.6586	9290	ND	6.66	11.8
G	37.8111	107.6586	9290	-9.0	7.46	13.0
G	37.8111	107.6586	9290		7.67	7.78
G	37.8111	107.6586	9290	-9.0	7.76	10.0
G	37.8111	107.6586	9290	ND	6.23	7.5
G	37.8111	107.6586	9290	-9.0	7.56	0.0
G	37.8111	107.6586	9290		7.1	0.2
G	37.8111	107.6586	9290	-9.0	7.79	0.0
G	37.8111	107.6586	9290	ND	7.03	3.9
G	37.8111	107.6586	9290	-9.0	7.42	0.0
G	37.8111	107.6586	9290	-9.0	7.56	0.0
G	37.8111	107.6586	9290		7	7.37
G	37.8111	107.6586	9290	-9.0	7.54	5.0
G	37.8111	107.6586	9290	ND	5.94	4.3
G	37.8111	107.6586	9290	-9.0	7.39	-3.0
G	37.8111	107.6586	9290	-9.0	7.70	-1.0
G	37.8111	107.6586	9290	94.9	7.67	3.3
G	37.8111	107.6586	9290		7.3	7.19
	37.8111	107.6586	9290		7.37	4
G	37.8111	107.6586	9290	206.5	7.55	9.1
G	37.8111	107.6586	9290		7.2	7.43
G	37.8111	107.6586	9290	-9.0	7.70	12.0
G	37.8111	107.6586	9290	132.0	7.65	5.6
G	37.8111	107.6586	9290		7	7.67
G	37.8111	107.6586	9290	-9.0	7.68	8.5
G	37.8111	107.6586	9290		7.3	7.78
G	37.8111	107.6586	9290	-9.0	7.28	0.0
G	37.8111	107.6586	9290	54.0	7.30	0.2
G	37.8111	107.6586	9290	54.0	7.3	7.56
G	37.8111	107.6586	9290	-9.0	7.26	6.0
G	37.8111	107.6586	9290	210.0	7.00	3.3
G	37.8111	107.6586	9290	210.0	7	7.5
G	37.8111	107.6586	9290	-9.0	7.88	9.0
G	37.8111	107.6586	9290	-9.0	7.58	8.0
	37.8111	107.6586	9290		7.02	5.8
G	37.8111	107.6586	9290	169.3	7.02	7.61
G	37.8111	107.6586	9290	-9.0	7.57	10.0
G	37.8111	107.6586	9290	31.0	7.25	7.48
	37.8111	107.6586	9290		7.68	10
G	37.8111	107.6586	9290	-9.0	7.66	6.0
G	37.8111	107.6586	9290	ice	7.26	2
G	37.8111	107.6586	9290	42.4	7.14	2
G	37.8111	107.6586	9290	ice	7.49	1
G	37.8111	107.6586	9290	ice	7.23	1
G	37.8111	107.6586	9290	ice	7.06	0
G	37.8111	107.6586	9290	ice		6.5
G	37.8111	107.6586	9290	ice	7.16	2.4
G	37.8111	107.6586	9290	ice	7.31	1
G	37.8111	107.6586	9290	ice	6.9	3.2

G	37.8111	107.6586	9290		85.0		6.9	3.2
	37.8111	107.6586	9290			7.23		8
	37.8111	107.6586	9290			7.33		7.2
G	37.8111	107.6586	9290		365.0		6.7	7.2
G	37.8111	107.6586	9290			7.68		11.5
G	37.8111	107.6586	9290		45.0	5.88	5.4	
G	37.8111	107.6586	9290			7.15		5.4
G	37.8111	107.6586	9290		41.0		7.15	5.4
G	37.8111	107.6586	9290		109	8.18		10
G	37.8111	107.6586	9290		64	7.76		1.1
G	37.8111	107.6586	9290		64.0		7.22	1.1
G	37.8111	107.6586	9290			7.3		1.5
G	37.8111	107.6586	9290			7.11		0
G	37.8111	107.6586	9290		29.0	7.11	7.76	0.3
G	37.8111	107.6586	9290		30.0	6.9		1
G	37.8111	107.6586	9290		43.0	7.15	0.2	
G	37.8111	107.6586	9290			6.3		0.2
G	37.8111	107.6586	9290		44.0	6.3	7.58	0.2
G	37.8111	107.6586	9290		43.0	7.24	3.5	
G	37.8111	107.6586	9290			7.24		3.5
G	37.8111	107.6586	9290			6.41		3.2
G	37.8111	107.6586	9290		170.0	6.41	7.29	3.2
G	37.8111	107.6586	9290		464.0	6.37	7.11	6.6
G	37.8111	107.6586	9290		624.0	7.05	5	
G	37.8111	107.6586	9290			7.05		5
G	37.8111	107.6586	9290			7.74		6.9
G	37.8111	107.6586	9290		171.0	6.7	7.51	6.9
G	37.8111	107.6586	9290		137.0	7.44	9	
G	37.8111	107.6586	9290			7.44		9
G	37.8111	107.6586	9290		73.0	7.74	8	
G	37.8111	107.6586	9290			7.74		8
G	37.8111	107.6586	9290		73.0	6.3	7.98	8.3
G	37.8111	107.6586	9290			7.49		7
G	37.8111	107.6586	9290			7.42		0.3
G	37.8111	107.6586	9290		90.0	6.9	6.98	0.3
G	37.8111	107.6586	9290			7.23		0
G	37.8111	107.6586	9290			7.15		0
G	37.8111	107.6586	9290			7.42		0
G	37.8111	107.6586	9290			6.73		0.3
G	37.8111	107.6586	9290		22.0	6.73	7.2	0.3
G	37.8111	107.6586	9290			6.58		5.5
						5.43		7
G	37.8111	107.6586	9290		339.0	6.59	6.69	3.6
						6.77		5.2
						7.13		7
G	37.8111	107.6586	9290		489.0	7.6		9.91
G	37.8111	107.6586	9290		177.0	7.1	7.55	8.5

					7.02		9
					7.4		12
G	37.8111	107.6586	9290	64.0	7.15	7.45	9.3
					6.53		9.1
M	37.8111	107.6586	9290		7.11		6
					6.25		7.5
G	37.8111	107.6586	9290	na	7.03	7.16	0.6
					5.91		2
	37.8111	107.6586	9290		6.83	7.26	0.4
	37.8111	107.6586	9290	80.0	6.8	7.41	0.1
	37.8111	107.6586	9290		6.83	7.54	3.9
					6.83		3.9
					7.38		8.5
	37.8111	107.6586	9290	393.0	7.63	7.28	5.3
					7.6		7
					7.55		10
	37.8111	107.6586	9290	69.0	8.03	7.06	7.9
				69	8.03		7.9
					7.78		8.5
	37.8111	107.6586	9290		6.18	7.43	0.2
					6.12		0.2
					7.47		1.5
G	37.8111	107.6586	9290	-9	7.45	7.42	1.4
					7.45		1.4
					7.3		3
G	37.8111	107.6586	9290	562	7.87	7.41	2.6
				562	7.26		2.6
				508	7.15		5.08
					7.48		6
				272	7.51		7.21
	37.8111	107.6586	9290		7.46		7.4
G	37.8111	107.6586	9290	318	7.96	7.48	7.4
					7.61		9.43
				318	7.46		7.4
				43	7.18		8.79
G	37.8111	107.6586	9290	73	8.32	7.54	7.1
					7.85		10
				42	7.21		5.26
					7.03		5
				25.7	7.23	7.6	0.1
					7.21		1
				28.3	6.52		0.05
					7.25		0

	37.81121	107.65926		-----	6.74	-0.05	
					7.95	1.5	
				18.9	6.82	2.13	
	37.81121	107.65926	9248	50	6.85	2.08	
					7.83	2	
				131.1	6.9	7.4	2.6
				131.1	6.43		2.6
	37.81121	107.65926	9248	517	6.98	4.06	
					7.8		6.5
				125	6.75	7.06	7.6
				125	6.75		7.6
				81.0	6.92		8.61
					7.59		9.5
				73	7.09	7.56	8.2
					7.09		8.2
	37.81121	107.65926	9248	44.0	7.52	6.74	
					6.67		6
				36.0	7.26		0.78
				58	7.4	7.7	1.5
				58	7.4		1.5
					8.14		1.5
					6.87		2
M					6.87	7.3	2.2
					7.7		1
					6.79		0.1
M				42	6.79	7.56	0.1
				23.0	7.18		2.33
					8.11		5
M				35	7.1	7.49	2.2
					7.71		8
					6.96		9
				666	7.28		8.60
					7.93		10.5
				339	7.42		8.48
					7.7		11
				67.0	7.20		8.87
					7.96		7.5
M				51	7.22	7.58	7.5
				40.0	7.39		7.79
					7.48		2
				46.0	6.87		1.69
					6.91		0.4
M				96	7	7.62	
					8.14		0
G	37.8111	107.6586	9290	55.0	8.35		

field Cond.	lab cond.	HARD_MG as CaCO3=	Field Alk mg/l	Phen_Alk Mg/l	Total alk. Mg/l	ACIDITY	CA_TOT_MCa as CaCC	MCa_DIS_MCa Totals
265		121		-9	-9		-9.0	110
245		97		-9	-9		-9.0	88
231		87		-9	-9		-9.0	78
222		77		-9	-9		-9.0	68
227		86		-9	-9		-9.0	77
		180		32				-9
		184		56				-9
		192		32				-9
		188		28				-9
		208		28				-9
		20		20				-9
		64		24				-9
		102		16				-9
		72		20				-9
		80		20				-9
		72		18				-9
		62		18				-9
		74		20				-9
		68		18				-9
		54		46				-9
		58		18				-9
-9		57		24	-9		-9.0	-9
-9		55		-9	-9		-9.0	-9
-9		58		-9	-9		-9.0	-9
		80		24				-9
		96		24				-9
		90		28				-9
		112		10				-9
		-9		30				-9
				0	2			
		136		32				
		154		32				
-9		152		-9	-9		-9.0	140
-9		152		-9	-9		-9.0	140
		154		34				-9
		36		22				23
		38		30				19
		180		54				-9
		180		28				16
		200		26				
		36		28				
		200		8				
		-9		6				
		128		4				
		78		14				

	72	10			
	58	24			
	-9	18			
	56	12			23
	48	24			19
	66	20			16
176	71	-9	-9	-9.0	65
	72	12			64
186	70	-9	-9	-9.0	64
	78	8			
	84	16			
	108	42			-9
	148	30			-9
	150	20			
	162	14			
	174	26			
	20	38			
		26			
	200	28			
		24			
		24			
	130	10			
	90	26			
	8	16			
	68	16			
	80	0	14		
	48	22			
	40	12			
	54	12			
	50	12			
	98	20			
	122	22			
	104	16			
	120	8			
	134	28			
	104	20			
	116	24			
	144	22			
279		0	0	52.0	0.0
	200	4			
	72	6			
		24			
		24			
	180	0	28		
	182	24			
	-9	22			
374	-9	-9	-9	44.0	-9.0
	84	0	22		
		22			
	80	0	18		
	40	0	16		

	-9	28			
	172	24			
	-9	22			
	64	10			
111	-9	24	-9	15.0	-9.0
	58	4			
	160	12			
	46	0	10		
	52	16			
	124	22			
	94	4			
237	-9	32	-9	39.0	-9.0
	104	0	18		
	124	8			
	24	0	24		
352	-9	36	-9	62.0	-9.0
	366	0	16		
	52	24			
	228	16			
	40	20			
	8	30			
233		28	-1	53.0	-9.0
	58	24			
	16	20			
	106	14			
	60	12			
	46	16			
102	-9	18	-1	16.0	-9.0
	82	18			
	56	12			
	-9	10			
140.00	74.40	-9.00	-9.00	26.8	-9.0
	98	22			
	62	12			
	70	26			
	70	20			
228		26	-1	32.0	
	82	48			
	118	24			
283.0		34.0	-1.0	51.0	
180.0	152.0	-9.0	-9.0	56.0	-9.0
	148	32			
	124	8			
273	125				46.0
	124	20			
220.0	130.0	-9.0	-9.0	47.5	-9.0
	128.00	30.00			
250.0	152.0	-9.0	-9.0	55.8	-9.0
	160.0	26.0			
311		33.4		50.9	52.4
300.0	169.0	-9.0	-9.0	62.2	-9.0

283.0		38.0	<.02	67.0	-9.0
361	33.8			59.1	56.1
433	35.0			70.6	69.2
310.0	161.0	-9.0	-9.0	59.5	-9.0
360	24.0			58.7	60.1
430.0		36.0	-1.0	75.0	
	170	20			
	180	16			
349	31.0			51.7	44.8
	168	24			
300.0	180.0	-9.0	-9.0	64.6	-9.0
	-9	14			
	122.00	26.00			
284	23.1			41.3	41.9
	-9	12			
227		28	-1	33.0	
144		20.7		24.3	24.9
	66	22			
129		20.0		20.3	21.6
	140	32			
164		23.0		25.9	27.1
	62	24			
138	16.0			15.7	16.9
130.0	56.0	-9.0	-9.0	20.1	-9.0
	78.0	18.0			
152	20.5			19.6	21.8
128	20.5			19.1	20.8
	40.0	20.0			
	98.0	14.0			
117	20.5			18.5	18.5
119	19.0			17.3	19.2
	70.0	12.0			
148		22	-1	21.0	
130	21.0			19.7	20.7
	72.0	16.0			
136	23.0			19.5	23.0
182	26.5			24.3	27.8
	20.0	8.0			
130.0	87.0	-9.0	-9.0	31.6	-9.0
328		32	-1	43.0	
	126.00	34.00			
	110.0	60.0			
185	36.0			29.7	29.1
210.0	121.0	-9.0	-9.0	44.1	-9.0
	116.0	4.0			
245	31.0			14.4	35.6
267		34	-1	48.0	
	220.0	4.0			
295	29.5			16.7	49.6
270.0	163.0	-9.0	-9.0	60.0	-9.0
	184.0	6.0			

343		24.5			58.9	55.8
371			48	-1	65.0	
300.0	-9.0		-9.0	-9.0	-9.0	-9.0
320		31.0			57.7	60.3
	224.0		4.0			
355			44	-1	63.0	
406		26.5			59.1	57.3
	168.0		10.0			
	190.0		2.0			
300	210					
	194.0		18.0			
357		31.0			62.8	56.5
	118.0		20.0			
	134.0		16.0			
205		16.0			29.3	36.2
195			28	-1	36.0	
	86.0		18.0			
	102.0		14.0			
	66.0		18.0			
127		24.0			22.1	20.9
106		15.0			19.2	18.3
	100.0		14.0			
147		23.0			21.9	24.3
	100		0	14		
120	73					26.4
	110.0		24.0			
	66		0	18		
	50.0		14.0			
114		25.0			17.2	18.9
76.00			20.00	-1.00	18.0	-9.0
133		21.0			19.4	21.5
	52.0		22.0			
	90.0		14.0			
181		21.0			29.6	28.5
180	104					
	182.0		2.0			
233	108					39.3
226.00	-9.00	-9.00	34.00	-1.00	46.0	-9.0
	130.0		28.0			
295		33.0			49.6	49.0
240	135					
273			36	-1	52.0	
	58.0		34.0			
260	297					109.0
390.00	-9.00	-9.00	34.00	-1.00	61.0	-9.0
349			34	-1	61.0	
310	238					
360		27.0				62.3
	198.0	0.0	2.0		-9.0	-9.0
305.00	-9.00	-9.00	34.00	-1.00	63.0	-9.0
	32.0	0.0	12.0		-9.0	-9.0

			0.0	18.0	-9.0	-9.0
300		158				
		96.0	0.0	22.0	-9.0	-9.0
323		29.0				52.4
315.00				28.00	6.00	54.0
100		53				
104		48.9				17.5
110		55				
166	170		30	<5	25.0	
166			30	<5	25.0	
194		31.0				31.1
145			38	<5	30.0	
		140.0	0.0	8.0	37.4	36.1
230		132				
		13.0	0.0	24.0	45.6	22.4
303		10.0	0.0	16.0	53.0	56.3
260		175				
330	380	173.4	34	<5	64.0	
330		216				
		188.0	0.0	10.0	64.6	56.8
342	400	197.9	36	<5	73.0	
		204.0	0.0	24.0	63.9	59.7
330		181				
136	160	71.9	30	<5	26.0	
100		56				
180	220	103.9	23	<5	38.0	
240		127				
		300	131.8	28	<5	47.0
250		145				
		310	131.8	22	<5	48.0
300		155				
420	420	187.9	50	<5	69.0	
290		180				
350	420		32	<5		66.0
320		169				
170	190	78.2	32	<5	28.0	
100		55				
151	160	69.4	27	<5	25.0	
190		88				
270	290	123.9	42	<10	45.0	
280		159				
334	360	160.9	36	<10	59.0	58.0
320		187				
376	450	217.5	37	NA	80.0	
380	410		<5		71.0	
260		135				
180		90				
122	167.9		25		20.3	
		120.0	0.0	28.0	41.0	39.8
281	287		33		49.5	

		-9.0	0.0	22.0		49.6	48.5
270		142					
		170.0	0.0	34.0		52.0	50.2
340	349			36		62.8	62.2
		156.0	0.0	26.0		47.5	47.1
230		144					
		156.0	0.0	30.0		51.4	50.4
325				37	<1	66.7	
		188.0	0.0	30.0		57.0	57.1
320		189					
		-9.0	0.0	30.0		59.6	60.2
		214.0	0.0	32.0		65.1	64.5
354	402			35	<1	69.8	
		192.0	0.0	32.0		67.0	65.4
320		191					
		220.0	0.0	28.0		65.3	64.2
		170.0	0.0	28.0		48.6	47.4
		122.0	0.0	24.0		37.1	36.6
216	242			27	<1	43.1	
		58	0	16		19.8	0
		94.0	0.0	22.0		68.2	29.0
182	198			26	<1	35.7	
		112.0	0.0	24.0		39.2	38.2
		156.0	0.0	26.0		43.0	40.9
255	283			30	<1	45.0	
		136.0	0.0	30.0		45.2	44.2
331	328			38	<1	66.4	
		236.0	0.0	32.0		63.0	62.5
		208.0	0.0	34.0		66.4	64.6
373	422			33.4	<1	72.5	
		156.0	0.0	22.0		47.3	48.1
		96.0	0.0	24.0		30.7	31.0
174	200			26.4	<1	32.6	
		60.0	0.0	22.0		21.8	20.3
		64.0	0.0	20.0		21.3	21.1
		84	0	22		28.8	28.3
176	208			25	40	32.4	
		136.0	0.0	32.0		59.0	50.9
300	334			34	<1	59.0	
		164	0	28		50.1	50.2
		154.0	0.0	22.0		28.8	28.3
		160	0	30		54.2	52.8
254					1		58.0
		180	0	28		56.4	55.0
		-9	0	32		64.7	64.0
		190	0	30		63.4	63.6
387					<1	72	33
		188	0	30		61.3	61.2
		170	0	28		53.5	53.3
		144	0	26		45.4	45.6

286			<1	52	25	
	70	0	16		19.9	19.9
	70	0	18		21.6	21.3
142				1		24
	128	0	26		49.698	34.515
	140	0	38		49.698	49.349
	140	0	38		49.698	49.349
297			<1		35	50
	128	0	28		42.028	41.02
	6	0	28		44.577	42.82
266			<1			
	194	0	30		59.738	58.093
	212	0	28		62.631	60.759
345	390		<3.13	32	69	
	212	0	24		73.507	72.535
	203	0	20		73.507	72.535
		0	20		63.168	62.001
365	408		<2.53	18	67	
	175	0	30		63.168	62.001
	40	0	30		55.98	56.129
		0	16		33.682	30.66
192	202		<2.34	26	33	
134	136		<2.32	24	21	
	52	0	12		55.98	56.129
	52	0	12		18.009	17.502
	94	0	26		30.191	29.966
201			<3.38	26	32	
	116	0	28		18.009	17.502
	116	0	28		34.172	34.172
	144	0	34		30.191	29.966
	144	0	34		64.039	43.02
284	311		<0.095	36	51	
	86	0	24		28.869	28.598
	100	0	30		41.643	40.564
250	298		<2.13	37	48	
	184	0	30		53.193	52.504
	136	0	32		59.028	56.984
	166	0	32		58.778	55.955
	190	0	28		53.408	58.688
348	399		<1		72	33
		0	28		53.408	52.046
	222	0	2		52.046	52.046
152	186		<1		25	8
	106	0	16		25.401	25.401
	56	0	12		17.413	17.413
125			23.8			20.2
182	193		<1		32	28

		120	0	14	28.789	28.789	
		128	0	14	29.004	29.004	
291	264			<1		46.4	38
		194	0	10	46.791	46.791	
		128		30	42.8	42.4	
		168	0	8	42.385	42.385	
281	312			<1		48	38
		236	0	1	52.99	52.99	
348	362			<1	97.0	66.0	35
					61.973	61.973	
363	412			<1		72.0	35
					56.723	56.723	
200	215			<1		39.0	30
		104	0	26	31.204	31.204	
		44	0	18	16.605	16.605	
139	148			<1		24.0	23
		66	0	20	19.389	19.389	
		92	0	24	29.042	29.042	
260	240			<1		50	34
		150	0	30	41.237	41.237	
		162	0	30	48.956	48.956	
357	383			<1		74.0	34
		202	0	30	60.069	60.069	
		204	0	28	57.084	57.084	
368	391	32		<1		70	
		236	0	28	65.234	65.234	
		176	0	24	52.071	52.071	
105	88	22		<5		17	
		52	0	18	18.785	18.785	
113		48.9				17.4	
		60	0	16	20.402	20.402	
157		65.4				23.3	
		74	0	20	27022	26306	
162	175	27		<5		26	
189		84.8				30.5	
		74	0	20	44.659	44.659	
292		135				49.1	
313	285	34		<5		51	
		124	0	30	49.94	49.94	
307		141		<10		51.4	
		126	0	30	51.459	51.459	
321	350				5	59.0	37
		198	0	30	50.963	50.963	
370		167		<10		60.7	
		168	0	28	58.344	58.344	

411				<10		73.9	
		190	0	30	66.658	66.658	
388		179		<10		65.6	
335						53.6	
		146	0	30	61.441	61.441	
206	220	110	0	<5		35.0	31
124		50	0	24	34.162	34.162	
		58	0	<10		17.9	
197	205	92	0	20	17.536	17.536	
				<5		34.0	29
222		97	0	<10		34.9	
		110	0	28	33.469	33.469	
279	282	140	0	<5		47.0	40
			0	34	46.553	46.553	
302		144		<10		52.4	
		156	0	34	48.802	48.802	
306		154		<10		56.3	
285	310	180	0	<5		50.0	40
		168	0	36	50.232	50.232	
		184	<.1	32	51.269	51.269	
303	381	200	<.1	<5		64.0	57
		216	<.1	34	64	64	
382	415	172		<10		69	69
367		168	<.1	36	75	75	36
		120	<.1	<5		55	
301	332	70	<.1	32	58	58	31
		53		<10		38	
119		58	<.1	20	23	23	
		66		<10		21	
144		94	<.1	26	20	20	
		111		<10		23.3	
252		154	<.1	34	32	32	
		140		<10		40	
266	292	160		<5		43	35
300		138	<.1	<10	46	46	
		164	<.1	34	51	51	
289		320		<10	45	45	
		180	<.1	<5	50.2	50.2	
				34	52.8	52.8	
					48.8	48.8	
					54	54	33
273	125				57.8	57.8	
					46.0	46.0	

MG_TOT_IMG_DIS_MAL_TOT	AL_DIS	AG_TOT	AG_DIS	AS_TOT	AS_DIS	AU_DIS	B_TOT
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2.6	-9.0	79.0	56.0	<.2	<.2	-9	-9	-9
2.3	-9.0	270.0	95.0	-9	<.2	-9	-9	-9
2.2	-9.0	310.0	83.0	0.4	<.2	-9	-9	-9
2.2	-9.0	110.0	72.0	<.2	<.2	-9	-9	-9
2.2	-9.0	180.0	93.0	<.2	<.2	-9	-9	-9

-9.0	-9.0	-9.0	-1.0	-9	<.05	-9	-9	-9
-9.0	-9.0	-9.0	60.0	-9	<.2	-9	-9	-9
-9.0	-9.0	-9.0	50.0	-9	<.2	-9	-9	-9

3.0	-9.0	-9.0	-1.0	-9	<.2	-9	-9	-9
3.0	-9.0	-9.0	-1.0	-9	<.2	-9	<1	-9

1.5 -9.0 -9.0 -1.0 -9 -9 -9 -9 -9 -9

1.5 -9.0 -9.0 -1.0 -9 -9 -9 -9 -9 -9

2.5 0.0 77.0 -1.0 <.2 <.2 -1 <.5 0 -9

13.0 13.0 230.0 -1.0 <.2 <.2 -1 <.5 -9 -9

2.0	-9.0	129.0	88.0	<.2	<.2	-1	<.5	-9	-9
4.0	-9.0	200.0	24.0	<.2	<.2	-1	<.5	-9	-9
4.0	-9.0	230.0	185.0	<.2	<.2	-1	<.5	-9	-9
2.9	-9.0	300.0	-1.0	<5	<5	-1	<5	-9	-9
1.1	-9.0	500.0	-1.0	<5	<5	-1	<5	-9	-9
1.9	-9.0	-9.0	80.0	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000
1.8		-1.0	-1.0	<5	<5	-1	<5		
2.5		-1.0	-1.0	<5	<5	-1.0	<5		
2.9	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.5		69.0	0.0			0	0		
2.7	-9.0	-9.0	60.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
3.0	-9.0	-9.0	50.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.8	2.9	140.5	78.5			0.0	0.0		
3.3	-9.0	-9.0	100.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

		200.0	<100	<5	<5	<5	<5	-9.0	-9.0
3.2	3.0	197.0	88.6			0.0	0.0		
3.7	3.5	213.3	79.0			0.0	0.0		
3.1	-9.0	-9.0	60.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
3.2	3.2	162.2	118.7			0.0	0.0		
3.6		200.0	-1.0	<5	<5	-1.0	<5		
3.2	2.7	339.2	114.8			0.0	0.0		
3.7	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.6	2.6	219.5	133.2			0.0	0.0		
2.1		300.0	-1.0	<5	<5	-1	<5		
1.7	1.6	554.9	134.8			0.0	0.0		
1.4	1.4	130.4	113.7			0.0	0.0		
1.7	1.7	94.8	106.8			0.0	0.0		
1.3	1.1	472.6	91.5			0.0	0.0		
1.4	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.3	1.4	104.8	<40			0.0	0.0		
1.3	1.4	67.3	60.3			0.0	0.0		
1.3	1.2	51.5	<40			0.0	0.0		
1.2	1.3	<40	<40			0.0	0.0		
1.4		100.0	-1.0	<.1	<.1	-1	<5		
1.3	1.4	<40	<40			0.0	0.0		
1.3	1.6	44.8	48.2			0.0	0.0		
1.6	1.9	<40	<40			0.0	0.0		
2.0	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.5		-1.0	-1.0	<.1	<.1	-1	<5		
2.0	2.0	124.3	90.2			0.0	0.0		
2.7	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.1	2.1	<40	<40			0.0	0.0		
2.6		100.0	-1.0	<.1	<.1	-1	<5		
2.5	2.7	<40	<40			0.0	0.0		
3.2	-9.0	-9.0	<50	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

3.2	3.1	114.4	<40			0.0	0.0		
3.1		-1.0	-1.0	<.1	<.1	-1	<5		
-9.0	-9.0	-9.0	50.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
3.2	3.3	147.8	<40			0.0	0.0		
3.4		-1.0	-1.0	<.1	<.1	-1	<5		
3.2	3.2	145.3	65.7			0.0	0.0		
				120.0					
3.7	3.3	374.3	168.9			0.0	0.0		
1.9	2.1	163.6	117.7			0.0	0.0		
2.2		180.0	-1.0	<5	<5	-1	<5		
1.4	1.3	344.8	73.9			0.0	0.0		
1.3	1.1	538.8	67.3			0.0	0.0		
1.7	1.5	108.3	79.8			0.0	0.0		
	1.7		<50						
1.2	1.2	137.5	64.2			0.0	0.0		
1.3	-9.0	180.0	-1.0	<.1	<.1	-1.0	<5	-9.0	-9.0
1.3	1.4	107.9	68.1			0.0	0.0		
1.7	1.8	95.4	44.4			0.0	0.0		
			<50						
2.7	2.4	160.0	BDL	BDL	<.2	1	<1		
2.7	-9.0	-1.0	-1.0	<.1	<.1	-1.0	<5	-9.0	-9.0
2.8	2.8	127.1	79.8			0.0	0.0		
			<50						
3.0		-1.0	-1.0	<5	<5	-1	<5		
3.2	6.1		120.0						
3.2	-9.0	130.0	0.1	<5	<5	-1.0	<5	-9.0	-9.0
3.2		130.0	70.0	<5	<5	-1	<5		
			<50						
-9.0	3.3	0.0	<40			0.0	0.0		
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0		
3.4	-9.0	140.0	-1.0	<5	<5	-1.0	<5	-9.0	-9.0
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0		

-9.0	-9.0	-9.0	-9.0			-9.0	-9.0
			80.0				
-9.0	-9.0	-9.0	-9.0			-9.0	-9.0
		3.1	0.0	<40		0.0	0.0
3.3	-9.0	390.0	-1.0	<5	<5	-1.0	<5
			70.0			-9.0	-9.0
		1.3	437.0	BDL	BDL	<.2	BDL
			50.0				<1
1.8			180.0	<100	<.1	<.1	<5
1.8			180.0	<100	<.1	<.1	<5
		2.0		85.1			
2.1			100.0	<100	<.1	<.1	<5
2.7	2.6	172.0	62.0			<15	<15
			80.0				
3.1	1.7	418.0	209.0			<15	<15
2.9		140.0	100.0	0.0001	<.1	<1	<1
3.7	3.7	166.0	159.0			<15	<15
			<50				
3.3		<100	<100	<.1	<.1	<1	<1
			<50				
4.0	3.7	194.0	65.0			<15	<15
3.8		120.0	<100	<.2	<.2	<1	<1
4.0	3.9	138.0	79.0			<15	<15
			<50				
1.7		260.0	57.0	<1	<1	<10	<10
			<50				
2.2		90.0	51.0	<1	<1	<10	<10
			<50				
3.5		210.0	<45	<1	<1	<1	<1
			60.0				
2.9		190.0	<45	<.1	<.1	<1	<1
			<50				
3.8		<45	<.062	0.1	<.1	<1	<1
			<50				
	3.7	<20	<45	<.1	<.1	<1	<1
			110.0				
2.0		600.0	<230	0.1	<.1	2	<1
			50.0				
1.7		<500	<100	<.1	<.1	<5	<5
			90.0				
2.8		<100	<100	<.4	<.4	<5	<5
			<50				
3.3	3.3	<100	<100	<.4	<.4	<5	<5
			50.0				
4.3		<500	<100	<.1	<.1	<5	<5
3.8		<100	<100	<.1	<.1	<1	<1
			<50				
	4.5	23.0	<3	<.2	<.2	<1	<1
2.7	2.6	81.0	43.0			<15	<15
3.1		<100	<100	<.9	<.1	<1	<1

3.2	3.1	136.0	66.0		<15	<15
			<50			
3.4	3.2	80.0	60.0		<15	<15
3.7		70.0	41.0	<1	<1	<1
3.3	3.3	86.0	48.0		<15	<15
			70.0			
3.4	3.4	77.0	59.0		<15	<15
3.9		101.0	60.0	<1	<1	<1
3.4	3.4	121.0	78.0		<15	<15
			<50			
3.9	3.9	147.0	33.0		<15	<15
3.9	3.9	157.0	70.0		<15	<15
4.1		108.0	40.0	<1	<1	<1
4.1	4.1	124.0	53.0		<15	<15
			<50			
4.1	4.0	164.0	47.0		<15	<15
3.3	3.2	181.0	104.0		<15	<15
2.5	2.5	104.0	45.0		<15	<15
2.9		140.5	19.9	<0.2	0.6	<1
1.5	0	328	0		0	0
4.6	2.2	80.0	0.0		<15	<15
2.3		59.0	26.3	0.25	<0.2	<1
3.1	2.9	569.0	54.0		<15	<15
3.2	3.2	289.0	63.0		<15	<15
3.2		309.0			<1	
3.1	3.0	133.0	85.0		<15	<15
3.7		150.0	58.0	0.6	<.2	<1
3.9	3.9	147.0	29.0		<15	<15
4.2	4.0	128.0	36.0		<15	<15
4.1		127.0	45.0	<.2	<.2	<1
3.1	3.3	404.0	117.0		<15	<15
1.9	1.8	383.0	93.0		<15	<15
2.3		381.0	76.0	<.2	<.2	<1
1.1	1.0	348.0	46.0		<15	<15
1.4	1.4	170.0	52.0		<15	<15
1.6	1.7	120	60		0	0
2.3		102.0	34.0	<.2	<.2	<1
4.3	4.0	159.0	<15		<15	<15
4.0		134.0	87.0	<.2	<1	<2
3.5	3.5	132	79		0	0
1.6	1.7	120.0	60.0		<15	<15
3.4	3.4	115.0	49.0		<15	<15
		4.0	119.0	52.0	0.2	1
3.7	3.7	117.0	70.0		<15	<15
3.5	3.6	123.1	109.2		<15	<15
3.8	3.9	278.2	107.5		<15	<15
		4	220	34	<.2	<.2
3.8	3.8	298.6	119.1		<15	<15
3.8	3.8	356.4	114.8		<15	<15
3.3	3.3	283.7	48.8		<15	<15

4		306	66	<1	<.2	<1	<1
	1.5	1.4	252	48		0	0
	1.5	1.5	133	55		0	0
		2	144	43<.2	<.2	<1	<1
	3.167	2.436	108	67		<15	<15
	3.167	3.12	95	58		0	0
	3.167	3.12	95	58		<15	<15
		3	110	58<1	<1	<1	<1
	2.961	2.83	184	128		<15	<15
	2.979	2.8	113	83		<15	<15
		3	126	63	<1	<1	<1
	3.741	3.63	135	114		<15	<15
	4.084	3.95	131	58		<15	<15
		4	137	65	0.5	0.3<1	<1
	4.61	4.569	213	138		<15	<15
	4.61	4.569	213	138		0	0
	4.262	4.151	162	119		<15	<15
		4	173	76<0.2	<0.2	<1	<1
	4.262	4.151	162	119		0	0
	3.938	3.931	317	100		<15	<15
	2.24	2.056	145	96		<15	<15
		2	160	71<0.2	<0.2	<1	<1
		2		46	<0.2		<1
	3.938	3.931	317	100		0	0
	1.177	1.066	272	63		<15	<15
	2.084	2.102	142	68		<15	<15
		2	141	44	0.3<0.2	<1	<1
	1.177	1.066	272	63		0	0
	2.32	2.235	161	63		<15	15
	2.102	2.084	142	68		0	0
	4.874	2.846	27	48		<15	<15
		3	109	46<0.2	<0.2	<1	<1
	1.976	1.817	194	59		<15	<15
	2.782	2.689	133	57		<15	<15
		3	166	65<0.2	<0.2	<1	<1
	3.387	3.38	119	75		<15	<15
	3.792	3.64	130	89		<15	<15
	3.872	3.502	170	109		<15	<15
	3.226	3.626	126	49		<15	16
		4	137	66<.2	<.2	<1	<1
	3.226	3.209	200	75		0	0
		2	246	79<.2	<.2	<1	<1
	1.302	1.267	202	63		103	55
	0.996	0.842	339	39.5		0	0
		1.55	160<100		<4	<4	
		2	105	42<.2	<.2	<1	<1

1.743	1.643	131	48			0	0
1.873	1.618	650	58			0	0
	2.9	100	100<10	<10	<1	<1	
2.869	2.83	141	54			64	57
2.53	2.512	152	75			41	54
2.53	2.512	152	75			41	54
	3	108	51<.2	<.2	<1	<1	
3.09	3.069	132	79			218	274
	4.0	97.0	49.0	<.2	<.2	<1	<1
7.354	3.566	20	40			100	69
	4.0	273.0	68.0	<.4	0.8	1	<1
5.516	5.349	530	134			253	51
	3.0	301.0	47.0	<.2	<.2	<1	<1
2.336	2.215	260	99			0	0
1.484	1.211	1119	34			0	0
	2.0	146.0	33.0	<.2	<.2	3	<1
1.527	1.415	126	43			0	0
2.086	1.977	116	61			0	0
	3	102	48<.2	<.2	<1	<2	
2.663	2.629	100	72			0	0
3.317	3.071	119	81			0	0
	4.0	138.0	55.0	<.2	<.2	<1	<1
3.84	3.585	80	25			0	0
3.435	3.487	128	73			0	0
	4	243	88<.2	<.2	<1	<1	
3.965	3.964	225	65			0	0
3.326	3.285	341	87			0	0
	1	1630	23<.2	<.2		3<1	
1.773	1.373	1455	32			0	0
	1.32	1010	<100	<0.5	<0.5	<4.0	<4.0
1.559	1.492	145	37			0	0
	1.75	165	<100	<0.5	<0.5	<4.0	<4.0
1693	1759	96	37			0	0
	2	75	43<.2	<.2	<1	<1	
	2.1	117	<100	<0.5	<0.5	<4.0	<4.0
2.669	2.628	68	50			0	0
	3.01	120	<100	<0.5	<0.5	<4.0	<4.0
	4	181	58<.2	<.2	<1	<1	
4.256	4.103	87	37			0	0
	3.14	134	<100	<0.5	<0.5	<4.0	<4.0
3.491	3.266	124	78			0	0
	3.0	120.0	109.0<2	<.2	<1	<1	
14.372	11.603	181	20			0	0
	3.64	189	103	<0.5	<0.5	<4.0	<4.0
3.52	3.352	140	68			0	0

	4.13	269	141	<0.5	<0.5	<4.0	<4.0
3.582	3.413	196	122			0	0
	3.81	177	<100	<0.5	<0.5	<4.0	<4.0
	3.49	368	<100	<0.5	<0.5	<4.0	<4.0
4	3.802	317	210			0	0
	2.0	140.0	65.0<.2	<.2	<1	<1	
2.197	2.088	159	85			0	0
	1.31	348	<100	<0.5	<0.5	<4.0	<4.0
1.25	1.172	353	36			0	0
	2.0	60.0	37.0<.2	<.2	<1	<1	
2.041	2.128	73	42			0	0
	2.31	<100	<100	<0.5	<0.5	<4.0	<4.0
2.878	2.601	158	67			0	0
	3.0	90.0	35.0<.2	<.2	<1	<1	
2.781	2.81	88	44			0	0
	3.25	124	<100	<0.5	<0.5	<4.0	<4.0
2.917	2.71	78	55			0	0
	3.27	101	<100	<0.5	<0.5	<4.0	<4.0
	3.0	80.0	46.0<.2	<.2	<1	<1	
2.814	2.845	79	44			0	0
3.463	3.113	115	86			0	0
4	4	75	33			<15	<15
	4.0	9.0	25.0<.2	<.2	<1	<1	
3	4	176	67			<15	<15
4	4	93	36			<15	<15
	5	280	59<.2	<.2	<1	<1	
	4.1	275	<100	<0.5	<0.5	<4.0	<4.0
4	4	454	103			<15	<15
	4	308	70<.2	<.2	<1	<1	
2	3	447	96			<15	<15
1	1	299	35			<15	<15
	1.5	540	<100	<0.5	<0.5	<4.0	<4.0
1	1	140	37			<15	<15
	1.8	217	<100	<0.5	<0.5	<4.0	<4.0
2	2	76	39			<15	<15
	2.7	<100	<100	0.5	<0.5	<4.0	<4.0
3	2	52	30			<15	<15
	3	72	37<.2	<.2	<1	<1	
	3	<100	<100	<0.5	<0.5	<4.0	<4.0
3	3	107	56			<15	<15
	3.1	<100	<100	<0.5	<0.5	<4.0	<4.0
2.9	3.1	96	48			<15	<15
	3	96	48<.2	<.2	<1	<1	
3.2	3.1	161	52			<15	<15
	2.5	69.0	-1.0	-9	-9	-4	<6

B_DIS	BR_DIS	SB_TOT	SB_DIS	BA_TOT	BA_DIS	BE_TOT	BE_DIS	CO_TOT	CO_DIS
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-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9 -9 -9 -9 -9 -9 -9 -9 -9 -9

-9 -9 -9 -9 -9 -9 -9 -9 -9 -9

-9 0 -9 -9 -9 -9 -9 -9 -9 -9

-9 -9 5 5 20 21 146 0.65 -1 -1

-9 -9 3 3 7 6 54 2 -1 -1

-9 -9 3 -1 24 27 -1 -1 -1 -1

-9 -9 -9 -9 26 -9 -1 -9 -9 -9

-9 -9 -1 -1 -1 -1 -1 -1 -1 -1

-9 -9 -1 -1 -1 -1 -1 -1 -1 -1

-9.000 -9.000 -9.000 -9.000 -9.000 -9.000 -9.000 -9.000 -9.000 -9.000

-1 -1 -1 -1 -1 -1 -1 -1 -1 -1

-9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

0 0 24.9 22.4 0 0 0 0 0 0

-9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

-9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

-9.0 -9.0 -9.0 -9.0 25.5 26.3 <1 <1 -9.0 -9.0

-9.0	-9.0	<50	<50	<50	<50	<4	<4	<5	<5
				26.2	21.8	<1	<1		
				29.4	25.6	<1	<1		
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
				23.1	21.0	<1	<1		
		-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
				22.6	18.6	<1	<1		
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
				21.3	20.9	<1	<1		
		-1	-1	-1	-1	-1	-1	-1	-1
				24.5	17.5	<1	<1		
				16.7	17.2	<1	<1		
				17.9	18.5	<1	<1		
-9.0	-9.0	-9.0	-9.0	20.6	13.8	<1	<1		
				-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
				16.0	16.5	<1	<1		
				16.4	17.7	<1	<1		
				17.2	14.6	<1	<1		
				14.9	15.8	<1	<1		
		-1	-1	-1	-1	-1	-1	-1	-1
				16.3	15.9	<1	<1		
				15.3	19.4	<1	<1		
				20.4	22.8	<1	<1		
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		-1	-1	-1	-1	-1	-1	-1	-1
-9.0	-9.0	-9.0	-9.0	24.8	23.4	<1	<1		
				-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
				5.8	23.1	<1	2.2		
		-1	-1	-1	-1	-1	-1	-1	-1
-9.0	-9.0	-9.0	-9.0	5.8	24.0	<1	<1		
				-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

				23.3	25.0	<1	<1		
-9.0	-9.0	-9.0	-9.0	-1	-1	-1	-1	-1	-1
				-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
				24.2	25.0	<1	<1		
				-1	-1	-1	-1	-1	-1
				23.4	21.9	<1	1.2		
				25.2	21.5	<1	1.6		
-1	-1	-1	-1	20.1	19.5	<1	<1		
				-1	-1	-1	-1	-1	-1
				20.8	15.2	<1	<1		
				22.4	14.2	<1	<1		
				17.0	16.2	<1	<1		
-9.0	-9.0	-1.0	-1.0	18.1	13.6	<1	<1		
				-1.0	-1.0	-1.0	-1.0	-1.0	-1
				18.5	15.7	1.2	<1		
				19.8	19.2	<1	<1		
-9.0	-9.0	BDL	BDL	25	24	BDL	BDL	BDL	BDL
		-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1
				26.5	25.7	<1	<1		
				-1	-1	-1	-1	-1	-1
-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	9.0
		-1	-1	-1	-1	-1	-1	-1	9
				0.0	24.5	0.0	1.4		
-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	7.0

-9.0	-9.0	-1.0	-1.0	0.0	21.0	0.0	1.2		
				-1.0	-1.0	-1.0	-1.0	-1.0	7.0

		BDL	BDL	21.6	15	BDL	BDL	BDL	BDL
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<50	<50	<50	<50	<4	<4	<4	<5	<5
<50	<50	<50	<50	<4	<4	<4	<5	<5
			22.898			<1		
<5	<5	25	25	<1	<1	<1	<5	<5

2	<1	26	27	<1	<1	<5	<5
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1	1	25	26	<1	<1	<5	<5
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2	2	27	25	<1	<1	<5	<5
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<5	<5	<50	<50	<1	<1	<5	<5
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<5	<5	21	2	<1	<1	<5	<5
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<5	<5	27	23	<4	<4	<5	<5
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<5	<5	22	22	<4	<4	<5	<5
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<5	<5	27	26	<4	<4	<5	<5
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<5	<5	24	25	<1	<1	<50	<5
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<5	<5	23	18	<1	<1	<5	<5
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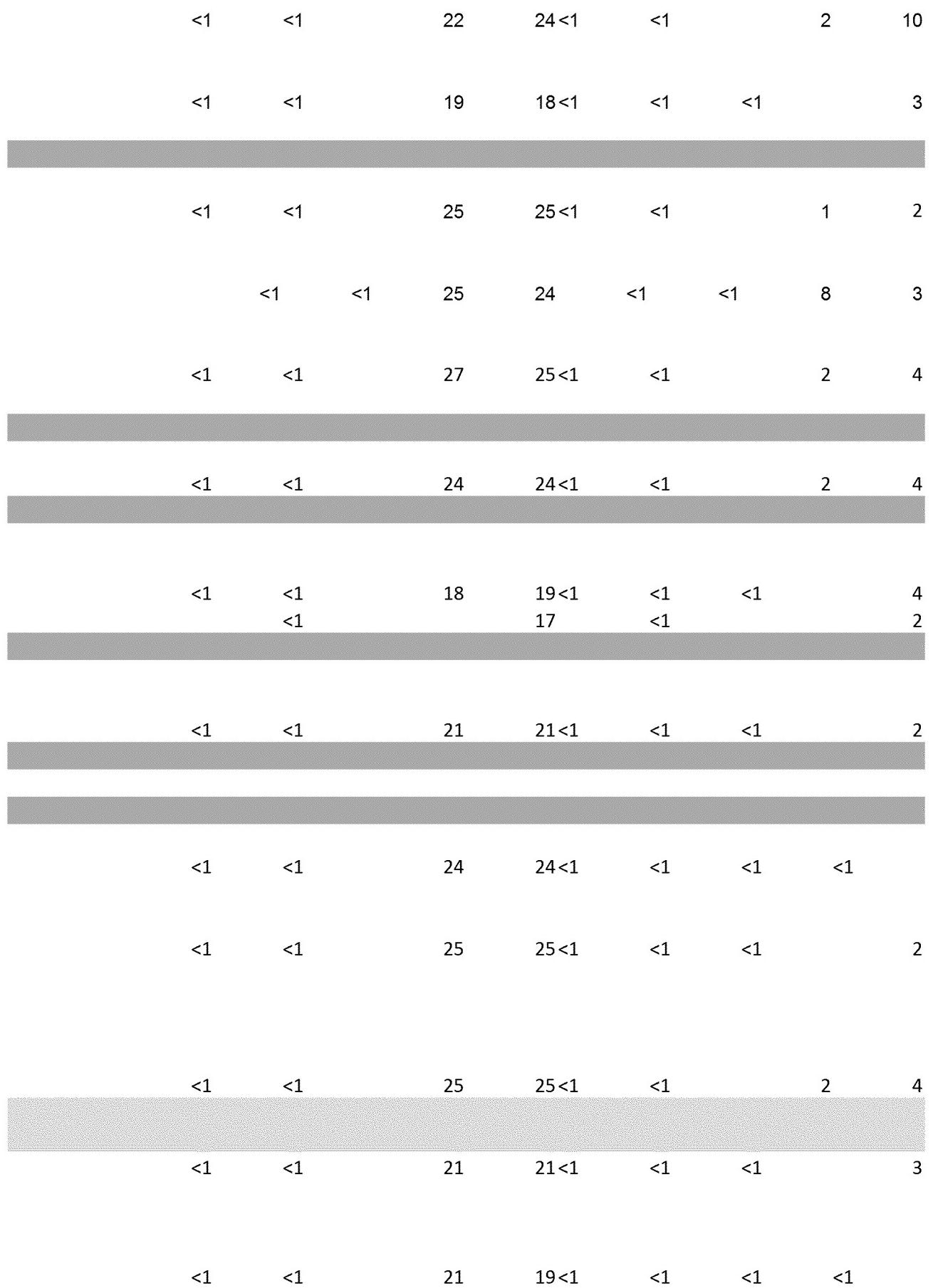
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<1	<1	24	25<1	<1	<1	<1		1
			<1.0		<1.0			
-4	-4	24.9	22.4	-4	-4	-4	-4	

CD_TOT	CD_DIS	CU_TOT	CU_DIS	CR_TOT	CR_DIS	CN_TOT_NFE_TOT	FE_DIS	Ferrous
1.20	1.10	8.00	6.00	-1.00	-1.00	-9.00	99.00	60.00
1.50	1.40	10.00	<4	-1.00	-1.00	-9.00	430.00	54.00
2.10	1.90	18.00	<4	-1.00	-1.00	-9.00	710.00	37.00
1.10	1.10	6.00	4.00	-1.00	-1.00	-9.00	74.00	29.00
1.50	1.40	10.00	<4	-1.00	-1.00	-9.00	230.00	42.00
1.35	1.31	4.80	3.00			0.00	0.00	
1.12	1.22	3.20	2.60			0.00	210.00	
0.96	0.93	2.60	2.90			161.00	0.00	
1.16	1.07	4.10	2.80			204.00	135.00	
1.33	1.25	8.90	3.10			185.00	0.00	
1.76	1.74	18.00	9.50			1039.00	203.00	
1.62	1.65	13.20	7.90			222.00	0.00	
1.38	1.34	23.90	14.10			294.00	0.00	
1.67	1.54	27.30	17.50			236.00	0.00	
1.77	1.71	30.20	23.30			201.00	0.00	
1.43	1.35	20.30	11.50			235.00	0.00	
1.24	1.18	15.10	9.20			135.00	0.00	
1.44	1.42	16.60	11.90			139.00	0.00	
1.33	1.21	13.90	9.00			119.00	0.00	
1.39	1.29	10.70	6.10			193.00	0.00	
1.10	1.12	8.60	5.00			158.00	0.00	
1.40	1.40	4.00	6.00	-9.00	-9.00	-9.00	43.00	26.00
1.70	1.70	16.00	6.00	-9.00	-9.00	-9.00	130.00	-9.00
2.10	1.80	21.00	7.00	-9.00	-9.00	-9.00	260.00	-9.00
0.94	0.90	7.40	4.10			0.00	0.00	
0.97	0.97	8.30	8.00			0.00	152.00	
1.40	1.37	14.00	5.30			134.00	0.00	
1.40	1.23	11.10	6.60			159.00	0.00	
2.57	2.14	41.40	7.30			2394.00	0.00	
1.53		11.9				197		
1.06	0.96	11.40	5.50			781.00	0.00	
0.89	0.83	4.50	3.50			117.00	0.00	
1.20	1.20	5.00	<4	-9.00	-9.00	-9.00	46.00	-9.00
1.30	1.20	-1.00	2.50	-9.00	-9.00	-9.00	-9.00	-9.00
0.74	0.76	4.00	3.80			112.00	0.00	
0.93	0.93	4.00	3.00			142.00	0.00	
1.07	1.00	7.30	4.00			255.00	0.00	
0.86	0.78	4.30	3.20			263.00	0.00	
0.91	0.88	3.80	2.50			217.00	0.00	
4.64	4.49	22.50	10.60			551.00	0.00	
5.29	5.04	76.80	10.40			5739.00	0.00	
5.43	5.27	75.60	10.70			6037.00	409.00	
4.81	4.68	37.20	18.00			1916.00	436.00	
5.85	4.65	43.80	14.50			1227.00	102.00	
3.26	2.92	47.40	12.20			2392.00	0.00	

2.53	1.09	51.90	12.90				1037.00	132.00
2.04	1.63	28.70	11.00				865.00	0.00
2.24	2.09	19.60	12.50				130.00	364.00
2.51	1.10	69.60	8.50				1147.00	0.00
1.79	1.47	19.60	6.60				736.00	374.00
1.95	1.04	5.50	5.30				0.00	0.00
0.98	1.04	5.00	6.00	-9.00	-9.00	-9.00	59.00	28.00
1.46	1.26	6.50	3.80				167.00	0.00
1.05	0.98	8.00	<4	-9.00	-9.00	-9.00	58.00	44.00
1.08	1.12	3.50	2.90				0.00	0.00
1.15	0.25	6.00	1.60				0.00	0.00
1.13	1.03	3.80	3.40				0.00	0.00
1.29	1.26	6.40	4.80				250.00	0.00
1.18	1.19	4.90	4.20				112.00	0.00
1.26	1.24	4.50	4.20				154.00	161.00
1.48	1.53	4.30	3.60				168.00	0.00
1.11	1.12	3.50	1.40				142.00	0.00
<.1	<.1	<.1	<.1				0.00	0.00
0.11	2.22	1.30	1.30				594.00	0.00
1.55	-9.00		12.00				542.00	0.00
2.19	1.86	16.70	7.20				1282.00	256.00
2.51	2.30	16.50	11.80				338.00	158.00
<.1	<.1	3.20	<.1				0.00	0.00
2.72	2.38	23.70	14.90				278.00	0.00
1.77	1.59	23.30	16.00				286.00	108.00
1.58	1.44	20.7	16.9				278	151
1.56	1.30	19.20	8.30				431.00	0.00
<.1	<.1	0.00	1.50				0.00	0.00
1.11	1.01	8.00	5.30				146.00	0.00
0.98	0.91	8.30	4.90				158.00	0.00
0.86	0.86	5.10	4.90				104.00	107.00
0.98	0.94	5.60	3.90				132.00	0.00
0.89	0.84	4.70	4.10				194.00	126.00
1.06	0.86	2.80	2.50				118.00	0.00
1.07	1.09	2.50	1.80				125.00	0.00
1.07	1.06	5.10	4.40				113.00	0.00
0.93	0.93	8.60	6.20				129.00	0.00
1.18	1.14	4.50	3.10				159.00	0.00
2.00	1.50	28.00	10.00	-1.00	-1.00	0.00	2810.00	-1.00
1.24	1.16	6.20	3.90				175.00	133.00
1.20	1.12	6.20	4.60				153.00	0.00
1.47	1.50	6.80	4.00				236.00	0.00
1.84	1.78	13.00	14.60				247.00	169.00
1.96	2.01	16.3	8.3				378	0
2.03	1.87		8.30				217.00	253.00
1.86	1.70		11.60				774.00	112.00
29.00	33.00	20.00	<1	-1.00	-1.00	-9.00	350.00	-1.00
2.64	2.72	17.1	9.2				301	0
3.00	2.70	18.30	9.50				406.00	0.00
3.48	3.21	26.3	9.3				678	118
1.63	1.61	47	16.4				818	0

1.64	1.59	30.50	7.20				198.00	0.00
1.47	1.17	21.90	14.40				545.00	0.00
1.62	0.89	60.50	15.30				5120.00	144.00
1.31	0.99	27.40	15.10				924.00	0.00
13.00	11.20	63.00	6.00	-1.00	-1.00	-9.00	720.00	470.00
1.15	1.16	19.20	6.80				571.00	131.00
1.04	1.06	8.20	9.20				187.00	160.00
1.36	0.75	40	6				1878	104
1.04	1.01	7.90	8.60				251.00	0.00
0.78	0.80	4.90	4.60				133.00	0.00
0.79	0.73	6.60	5.60				0.00	0.00
3.00	1.10	11.00	<1	7.00	-1.00	-9.00	510.00	20.00
0.92		6.6	0				473	0
0.97	0.94	5.80	6.60				158.00	0.00
0.97	1	7.1	5.4				214	0
2.30	0.91	16.00	9.00	6.00	-1.00	-9.00	438.00	-1.00
0.85	0.89	3.8	4.2				178	0
1.43	1.34	4.90	5.40				224.00	128.00
2.35	2.21	10.30	3.00				300.00	123.00
2.13	2.04	12.10	6.00				773.00	226.00
2.61	-9.00		5.20				1385.00	-9.00
3.80	3.30	21.00	<5	-1.00	-1.00	-9.00	740.00	150.00
2.49	2.50	19.60	-9.00				890.00	231.00
-9.00	-9.00	-9.00	8.40				-9.00	-9.00
1.96	1.89	18.00	-9.00				358.00	0.00
1.61	1.54	30.80	9.50				462.00	0.00
1.35	0.98	21.20	13.50				653.00	128.00
-1.00	<5	19.00	6.00	-1.00	-1.00	-9.00	600.00	30.00
1.17	1.42	6.20	9.20				0.00	0.00
0.93	0.95	8.80	6.30				201.00	103.00
0.84	0.82	6.20	6.30				101.00	0.00
-9.00	1.00	-9.00	6.00	-9.00	-9.00	-9.00	-9.00	280.00
0.69	0.88	6.10	3.80				0.00	0.00
0.96	0.77	6.60	3.90				0.00	0.00
-9.00	-9.00	-9.00	3.90				-9.00	-9.00
0.71	0.72	5.40	-9.00				206.00	0.00
1.00	1.00	6.00	<5	-1.00	-1.00		80.00	30.00
0.67	0.85	4.40	3.40				115.00	122.00
0.84	0.99	3.90	3.60				193.00	120.00
-1.00	<5	-1.00	<5	-1.00	5.00		90.00	20.00
-9.00	1.00	-9.00	<1	-9.00	-9.00	-9.00	-9.00	50.00
1.09	1.02	3.40	5.50				204.00	137.00
1.42	1.07	8.90	2.90				657.00	162.00
1.50	1.10	0.00	0.00	0.00	0.00		98.50	28.60
0.97	0.74	7.20	3.70				181.00	0.00
-9.00	1.00	-9.00	<1	-9.00	-9.00	-9.00	-9.00	60.00
1.32	1.08	4.60	1.10				0.00	0.00
-9.00	1.00	-9.00	3.00	-9.00	-9.00	-9.00	-9.00	30.00
1.24	1.41	7.40	4.10				149.00	0.00
<2	4.14	5.51	6.11	<15	<15		115.40	<30
-9.00	2.00	-9.00	4.00	-9.00	-9.00	-9.00	-9.00	40.00

<5	<5	14.00	5.00	<5	<5	-9.00	160.00	10.00
2.05	4.48	8.12	<4	<15	<15		154.69	<30
2.16	4.57	9.03	4.81	<15	<15		203.06	67.88
-9.00	2.00	-9.00	4.00	-9.00	-9.00	-9.00	-9.00	40.00
3.39	3.22	15.86	4.07	<15	<15		450.11	78.96
-1.00	<5	11.00	<5	-1.00	-1.00		110.00	20.00
2.40	2.58	16.10	6.00				496.00	0.00
3.56	3.27	62.60	9.60				1980.00	199.00
4.54	6.72	26.40	6.54	<15	<15		521.31	119.50
2.57	2.49	37.00	11.40				394.00	0.00
-9.00	5.00	-9.00	12.00	-9.00	-9.00	-9.00	-9.00	80.00
2.95	2.72	21.00	19.40				525.00	0.00
2.87	2.61	79.00	2.60				459.00	0.00
<2	5.42	24.72	9.65	<15	<15		239.70	<30
2.52	2.05	34.50	7.20				667.00	120.00
-1.00	<5	33.00	14.00	-1.00	-1.00		420.00	60.00
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1.45	1.08	21.00	12.10				344.00	184.00
<2	<2	15.32	5.96	<15	<15		191.01	<30
1.22	1.22	14.10	15.60				114.00	0.00
2.16	<2	12.23	9.34	<15	<15		95.96	<30
1.36	0.99	29.40	9.70				1426.00	0.00
<2	<2	16.81	5.64	<15	<15		836.77	<30
-9.00	1.00	-9.00	4.00	-9.00	-9.00	-9.00	-9.00	50.00
1.22	1.15	9.90	6.50				168.00	0.00
2.14	<2	6.73	4.55	<15	<15		96.79	32.38
2.06	<2	7.18	7.78	<15	<15		264.82	75.64
1.30	0.90	20.10	7.10				766.00	0.00
1.05	1.21	9.10	4.50				322.00	0.00
2.23	<2	5.87	5.01	18.38	<15		167.13	<30
<2	<2	7.71	<4	<15	<15		85.73	<30
0.00	-9.00	3.40	9.10				63.00	0.00
1.10	1.20	6.00	<5	-1.00	-1.00		230.00	110.00
<2	<2	<4	<4	<15	<15		184.85	49.62
0.79	0.77	7.50	4.00				252.00	135.00
2.66	<2	4.10	<4	16.27	<15		200.41	<30
<2	<2	4.15	<4	22.62	<15		274.33	120.45
0.83	0.92	6.60	3.60				141.00	0.00
-9.00	1.00	-9.00	<10	-9.00	-9.00	-9.00	-9.00	380.00
1.30	1.20	-1.00	<5	-1.00	-1.00		290.00	10.00
1.11	1.06	4.30	1.10				251.00	0.00
0.91	0.91	7.00	4.90				423.00	0.00
<2	<2	6.14	<4	<15	<15		257.18	232.85
-9.00	2.00	-9.00	<10	-9.00	-9.00	-9.00	-9.00	70.00
0.85	0.81	9.80	5.20				206.00	0.00
10.88	<2	41.03	4.12	<15	<15		64.82	95.43
1.80	1.60	6.00	<5	-1.00	-1.00		230.00	40.00
1.29	1.16	7.40	4.70				270.00	0.00
9.97	<2	22.57	<4	<15	<15		72.41	45.00
-9.00	2.00	-9.00	<10	-9.00	-9.00	-9.00	-9.00	40.00
1.63	1.40	8.40	5.60				301.00	0.00

<2	2.81	<4	<4	15.46	<15		293.23	<30
2.60	2.30	5.00	5.00	-1.00	-1.00		240.00	30.00
-9.00	<1	-9.00	<10	-9.00	-9.00	-9.00	-9.00	40.00
4.15	3.02	6.54	<4	<15	<15		628.85	<30
1.67	1.19	4.20	4.20				227.00	176.00
2.10	2.00	6.00	<5	-1.00	-1.00		240.00	40.00
5.55	3.27	7.38	<4	<15	<15		208.65	<30
2.01	1.88	9.10	4.50				262.00	0.00
2.98	2.65	12.60	12.60				308.00	0.00
		3.00	10.00					60.00
4.84	4.45	22.60	10.90				288.00	0.00
4.76	3.73	20.35	6.60	<15	<15		751.92	114.46
3.99	3.72	18.40	9.20				439.00	71.00
2.27	2.28	22.00	11.90				317.00	0.00
4.18	<2	17.72	6.64	<15	<15		236.76	55.24
2.50	2.40	19.00	9.00	-1.00	-1.00		250.00	40.00
1.81	1.72	24.40	10.40				192.00	0.00
1.52	1.44	24.50	11.20				309.00	0.00
1.10	1.08	15.60	8.50				224.00	0.00
<2	<2	21.16	6.69	<15	<15		499.19	57.45
<2	<2	22.32	<4	<15	<15		770.33	33.24
0.86	0.65	15.20	6.20				504.00	0.00
<2	<2	6.60	4.81	<15	<15		97.88	33.79
0.86	0.65	15.2	6.2				504	0
	-1.00		<1					30.00
0.74	0.48	5.40	4.40				216.00	0.00
1.07	0.81	7.7	7.5				160	0
0.80	0.69	8.90	3.10				268.00	0.00
<2	<2	5.68	<4	<15	<15		60.89	41.27
1.00	0.80	7.00	<5	-1.00	-1.00	-9.00	160.00	10.00
2.36	<2	6.47	<4	<15	<15		56.69	44.32
0.77	0.79	5.50	3.90				124.00	0.00
0.86	0.82	4.90	2.70				194.00	0.00
<2	<2	5.64	5.06	<15	<15		124.76	<30
	1.00		<4					160.00
0.83	0.82	5.30	4.20				127.00	0.00
0.90	0.90	7.00	<5	BDL	BDL		133.00	15.00
1.30	1.40	15.00	<5	-1.00	-1.00	-9.00	200.00	10.00
1.05	0.61	5.70	1.00				123.00	0.00
2.54	<2	4.85	<4	<15	<15		108.85	<30
	1.00		<1					120.00
1.80	1.80	12.00	<5	-1.00	-1.00		110.00	30.00
1.52	1.51	10.40	8.20				196.00	0.00
	-1.00		10.00					40.00
2.10	2.00	8.00	<5	-1.00	-1.00	-9.00	150.00	50.00
2.10	2.00	8.00	<5	-1.00	-1.00		150.00	50.00
	1.00		<1					40.00
0.00	<2	0.00	<4	0.00	<15		0.00	<30
6.29	4.85	8.20	5.10				238.00	<10
2.80	2.80	25.00	<5	-1.00	-1.00	-9.00	220.00	70.00
5.14	4.21	10.70	6.60				368.00	118.00

1.86	1.71	10.40	4.00				423.00	<10
	2.00		9.00					40.00
1.31	1.19	12.00	13.30				317.00	<10
0.00	2.94	0.00	6.45	0.00	<15		0.00	<30
6.30	6.20	31.00	10.00	-1.00	-1.00	-9.00	190.00	30.00 -9.0
	-1.00		7.00					90.00
0.60	<.6	11.50	5.60	BDL	BDL		512.30	10.10
	-1.00		<1					180.00
1.20	0.90	6.00	<5	<5	<5		170.00	20.00
1.20	0.90	6.00	<5	<5	<5		170.00	20.00
	<2		<4		<15			<30
0.90	1.00	7.00	4.00	<1	<1		130.00	20.00
3.09	1.70	18.50	14.30				206.00	58.00
	<1		3.00					80.00
1.86	1.08	23.80	11.20				1370.00	226.00
1.60	1.80	6.00	4.00	<1	<1		140.00	20.00
3.84	3.66	16.40	15.40				255.00	239.00
	1.00		3.00					40.00
1.40	1.70	5.00	3.00	36.00	<1		180.00	20.00
	2.00		3.00					40.00
2.11	1.89	8.50	3.90				340.00	41.00
1.50	1.90	6.00	3.00	<1	<1		160.00	30.00
2.33	2.16	8.70	4.40				261.00	58.00
	3.00		23.00					90.00
1.10	1.20	33.00	13.00	<1	<1		320.00	50.00
	<1		3.00					20.00
1.00	1.00	12.00	5.00	<1	<1		210.00	<10
	1.00		3.00					50.00
1.70	1.60	11.00	<5	<1	<1		420.00	30.00
	1.00		5.00					90.00
1.50	1.30	11.00	<5	2.00	<1		360.00	30.00
	3.00		<10					60.00
2.50	2.50	8.00	<5	<5	<5		180.00	70.00
	2.00		<5					30.00
2.20	2.40	9.00	4.00	<1	<1		370.00	80.00
	3.00		10.00					180.00
2.40	1.90	37.00	14.00	1.00	<1		1000.00	110.00
	<1		10.00					20.00
0.90	0.90	5.00	3.00	<2	<1		<100	<100
	<1		<10					60.00
<.1	1.50	<2	12.00	<1	1.20		200.00	<500
	2.00		5.00					50.00
1.00	1.80	27.00	3.20	<1	<1		250.00	170.00
	2.00		<10					40.00
2.70	2.80	7.90	4.00	<1	2.90		310.00	<500
2.60	1.70	17.00	13.00	<5	<5		490.00	250.00
	<1		<10					110.00
	<1		10.00					50.00
0.40	0.30	3.30	1.80	<1	<1		30.00	19.00
1.07	1.13	4.30	4.40				105.00	43.00
1.30	1.30	6.00	6.00	<5	<5		<50	<50

1.58	1.39	6.00	4.60			75.00	85.00
	2.00		<10				40.00
1.84	1.74	4.70	4.30			67.00	61.00
2.00	2.00	9.00	5.00	<1	<1	54.00	55.00
1.79	1.67	4.90	3.60			67.00	34.00
	3.00		<10				20.00
2.10	2.13	6.10	4.90			73.00	43.00
2.00	2.00	7.00	5.00	<1	<1	111.00	45.00
2.09	2.08	8.40	4.90			180.00	69.00
	3.00		20.00				20.00
2.86	2.87	8.10	4.00			219.00	42.00
3.44	3.43	10.00	5.90			277.00	124.00
3.00	3.00	8.00	4.00	<1	<1	192.00	63.00
2.83	2.74	9.10	5.40			190.00	83.00
	3.00		<10				<20
2.63	2.39	10.30	5.40			267.00	74.00
2.62	2.45	13.70	6.90			225.00	67.00
1.98	1.90	17.00	9.80			127.00	42.00
1.80	1.76	21.59	10.31	<1	<1	172.50	35.50
1.87	0	15.7	0			446	0
1.89	1.19	4.70	4.00			44.00	<10
1.33	1.17	6.79	4.38	<1	<1	80.80	38.40
1.80	1.49	19.90	5.30			1232.00	25.00
2.46	2.34	15.90	7.50			224.00	22.00
2.50		17.00		<1		220.00	
1.77	1.69	9.10	6.60			99.00	50.00
2.30	2.50	8.00	4.00	<1	<1	252.00	102.00
2.48	2.46	8.10	4.20			275.00	75.00
2.45	2.40	7.70	3.60			219.00	14.00
2.40	2.20	7.00	4.00	<1	<1	287.00	97.00
5.69	5.43	37.50	13.00			340.00	34.00
2.87	2.57	39.00	20.80			383.00	58.00
2.00	1.70	41.00	17.00	<1	<1	470.00	100.00
1.60	0.94	15.70	6.20			335.00	17.00
1.56	1.28	8.90	5.00			129.00	21.00
1.69	0.95	6.9	2.6			88	39
1.00	1.30	6.00	3.00	<1	<1	70.00	<30
3.05	1.80	5.10	5.60			179.00	48.00
2.00	2.00	5.00	5.00	<1	<1	150.00	30.00
2.93	2.47	9.8	7.5			144	54
1.69	0.95	6.90	2.60			88.00	39.00
1.91	1.88	6.70	2.90			129.00	10.00
0.60	0.20	8.00	3.00	1.00	1.00	200.00	40.00
2.57	2.56	6.10	4.10			176.00	71.00
2.27	2.08	4.14	2.16			152.91	39.20
3.33	3.30	14.55	3.71			360.24	78.76
3.7	3.6	15	4	<1	0.001	340	40
3.86	3.73	27.53	5.88			292.79	48.56
3.70	3.68	18.92	7.43			362.17	85.44
3.49	3.41	17.80	5.78			217.91	<10

3.1	2.5	20	7<1		0.005	240	40
1.32	1.2	11.7	7.1			229	26
1.08	1.03	5.8	4.5			74	15
1	1	6	4<1		0.001	90<30	
1	1.01	5	3.7			111	50
1.5	1.38	4.6	2.7			112	20
1.5	1.38	4.6	2.7			112	20
1.4	1.4	5	3<1	<1		110	30
1.65	1.5	9.9	7.2			105	71
1.66	1.59	7.8	5.4			107	58
1.7	1.7	8	4	<1	<1	150	40
2.05	1.96	4.3	2.7			188	76
2.35	2.21	6.5	4.8			149	37
2.7	1.9	5	2<1	<1		180	50
2.87	2.89	6.1	4.3			221	106
2.87	2.89	6.1	4.3			221	106
2.81	2.76	4.4	3.1			145	56
2.7	2.8	7	4<1	<1		260	150
2.81	2.76	4.4	3.1			145	56
4.11	4.07	16.9	5.6			313	64
1.53	1.43	14.1	10			113	57
1.5	1.6	14	9<1	<1		180	140
0.8			7	<1			<30
4.11	4.07	16.9	5.6			313	64
1.13	0.98	7.3	4			222	32
1.06	1	3.8	2			75	20
1.2	1.3	6	3<1	<1		80<30	
1.13	0.98	7.3	4			222	32
1.18	1.38	7.4	4.8			155	85
1.06	1	3.8	2			75	20
1.84	1.35	9.7	3.3			200	22
1.7	1.2	8	4<1	<1		110<30	
1.47	1.43	13.2	7.5			118	21
1.86	1.71	9	4.2			112	11
1.7	1.9	10	5<1	<1		150	40
2	1.84	5.5	3.3			190	69
2.18	1.98	4.8	3			165	66
1.96	1.96	7.1	3.1			245	103
2.08	2.08	3.7	1.5			146	15
2.2	2.1	6	3<1	<1		310	80
2.45	2.34	9.1	3.4			232	42
2.45	2.34	9.1	3.4			232	42
1.4<.2		20	10<1	<1		270	60
0.98	0.9	16.3	8.3			162	17
1.08	0.78	10.7	4.3			322	14.5
1	0.9<10	<10			<100	<100	
1	1	5	3<1	<1		70<30	

1.12	0.97	8.4	3.6			94	34	
1.33	1.08	19.8	4.3			657	23	
<10	<10	<10	<10	<50	<50	160	70	
1.78	1.45	7.8	5.6			161	26	
1.37	1.35	12.2	4.7			132	50	
1.37	1.35	12.2	4.7			432	50	
1.6	1.6	7	3<1	<1		170	50	
1.97	1.77	6.2	3.5			226	131	
2.10	2.10	4.00	2.00	<1	<1	190.00	50.00	
4.89	2.07	0	1.2			0	29	
4.50	4.40	19.00	5.00	<1	<1	270.00	40.00	
7.23	6.96	36.9	11.9			264	33	
1.80	1.80	24.00	8.00	<1	<1	330.00	30.00	
1.82	1.7	23.5	12.4			242	58	
1.2	0.78	23.2	6.3			931	21	
1.20	3.00	12.00	3.00	<1	<1	80.00	30.00	
0.92	0.94	5.2	3.4			64	17	
0.98	0.9	6	4.6			114	66	
1.4	1.4	5	3	<1	<1	140	50	
1.27	1.42	5.4	3.6			117	41	
1.53	1.48	6.9	5.7			180	85	
2.40	2.30	6.00	3.00	<1	<1	300.00	120.00	
2.04	2.19	4.3	2.9			112	12	
1.69	1.7	6.2	4.7			225	95	
2.8	2.9	11	4<1	<1		240	40	
2.65	2.5	11	5.1			214	14	
2.11	2.04	14	5.8			452	91	
2.1	0.7	45	4	2<1		2570	30	
1.42	0.76	32.3	6.3			1865	21	
1.5	0.9	21.2	4.5	<2	<2.00	1100	<100	
0.93	0.87	6.2	4.8			88	25	
0.9	0.8	5.8	3.7	<2.0	<2.0	<100	<100	
0.55	0.57	3.9	2.8			88	34	
0.9	0.8	4	3<1	<1		90	40	
0.8	0.8	4	<3.0	<2	<2.00	<100	<100	
0.82	0.74	3.8	3.2			108	71	
1	1	3.9	<3.0	<2.0	<2.0	115	<100	
1.5	1.5	7	3<1	<1		250	40	
1.3	1.29	4	2.6			108	17	
1.3	1.2	4.0	<3.0	<2.0	<2.0	151	<100	
1.37	1.29	5.6	4.4			181	92	
1.60	1.50	4.00	3.00<1	<1		150.00	90.00	
0.33	0	3.1	<1			323	0	
1.6	1.7	5.1	<3.0	<2.0	<2.0	234	<100	
1.42	1.42	5.8	3.3			292	107	

2	1.8	6.2	<3.0	<2.0	<2.0		293	<100
1.58	1.55	7	5				385	185
1.7	1.6	7.7	<3.0	<2.0	<2.0		235	<100
4	4.1	22.3	8.3	<2.0	<2.0		225	<100
3.21	2.93	15	8.1				222	128
1.40	1.30	10.00	7.00<1	<1			120.00	50.00
1.33	1.23	10.1	7.4				135	49
1.1	0.9	<10.0	<10.0	<5.0	<5.0		376	<100
0.95	0.81	7.7	4.3				338	23
0.80	0.80	3.00	2.00<1	<1			90.00	50.00
0.82	0.82	3.6	3.7				93	52
0.8	0.8	<10.0	<10.0	<5.0	<5.0		<100	<100
1.19	1.18	5.4	3.4				145	58
1.20	1.20	6	3.00<1	<1			140.00	30.00
0.98	0.91	4.8	3				134	39
1.3	1.3	<10.0	<10.0	<5.0	<5.0		129	<100
0.95	0.89	4.3	3				135	85
1.3	1.4	<10.0	<10.0	<5.0	<5.0		169	<100
1.20	1.20	5.0	3.00<1	<1			150.00	70.00
0.95	0.91	4.3	2.8				135	44
1.33	1.26	4.4	3.4				174	142
1.79	1.72	2.9	2.2				52	<10
2.20	2.00	4.0	2.00<1	<1			90.00<30	
2.09	2	10.1	4.2				252	57
2.27	2.17	5.7	3.3				86	<10
2.6	2.5	13	5	1<1			350	50
2.6	2.7	14.7	<10.0	<5.0	<5.0		208	<100
3.62	3.44	25.3	9.4				280	29
3	3	18	6<1	<1			240	80
1.71	1.53	20.6	7.7				482	17
0.95	0.78	13.6	6.6				386	15
1.1	0.9	10.9	<10.0	<5.0	<5.0		544	<100
0.75	0.71	4.5	2.8				126	13
0.8	0.8	<20.0	<20.0	<5.0	<5.0		189	<100
0.7	0.68	3.7	2.4				86	34
1	0.9	<20.0	<20.0	<5.0	<5.0		116	<100
0.82	0.78	2.6	<1				110	13
1.1	1.1	6	2<1	<1			120	40
1.1	1.1	<20.0	<20.0	<5.0	<5.0		158	<100
1.29	1.12	5.1	2.7				183	75
1.2	1.1	<20.0	<20.0	<5.0	<5.0		169	<100
0.95	1.03	2.4	4.1				184	184
1.2	1.2	5	2<1	<1			210	120
1.07	0.97	8.1	2.5				402	118
1.50	1.10	-1.00	-1.00	-1.00	-1.00		98.50	28.60

HG_TOT	NHG	DIS	MLI	TOT	LI_DIS	MN_TOT	MN_DIS	NI_TOT	NI_DIS	PB_TOT	PB_DIS
-9	-9	-9	-9		370.00	360.00	-1.00	-1.00	6.00	<5	
-9	-9	-9	-9		440.00	400.00	-1.00	-1.00	29.00	<5	
-9	-9	-9	-9		760.00	690.00	-1.00	-1.00	96.00	5.00	
-9	-9	-9	-9		300.00	300.00	-1.00	-1.00	<5	<5	
-9	-9	-9	-9		580.00	560.00	-1.00	-1.00	25.00	<5	
					548.00	531.00			<1	<1	
					628.00	619.00			<1	<1	
					540.00	505.00			<1	<1	
					538.00	501.00			<1	<1	
					588.00	577.00			<1	<1	
					765.00	700.00			15.50	<1	
					508.00	493.00			<1	<1	
					360.00	312.00			<1	<1	
					425.00	377.00			<1	<1	
					456.00	438.00			<1	<1	
					365.00	310.00			<1	<1	
					332.00	300.00			<1	<1	
					392.00	373.00			<1	<1	
					379.00	329.00			<1	<1	
					490.00	444.00			<1	<1	
					376.00	345.00			<1	<1	
-1	-9	-9	-9		-9.00	400.00	-9.00	-9.00	-1.00	<5	
-9	-9	-9	-9		-9.00	-9.00	-9.00	-9.00	15.00	<5	
-9	-9	-9	-9		-9.00	-9.00	-9.00	-9.00	32.00	<5	
					325.00	291.00			<1	<1	
					325.00	319.00			<1	<1	
					625.00	561.00			<1	<1	
					408.00	396.00			<1	<1	
					1107.00	882.00			183.00	17.70	
					542				0		
					507.00	421.00			15.40	<1	
					458.00	459.00			<1	<1	
-9	-9	-9	-9		-9.00	500.00	-9.00	-9.00	<5	<5	
-1	-9	-9	-9		-9.00	520.00	-9.00	-9.00	<5	<5	
					483.00	457.00			<1	<1	
					607.00	580.00			<1	<1	
					610.00	559.00			<1	<1	
					621.00	577.00			<1	<1	
					687.00	663.00			<1	<1	
					1590.00	1465.00			<1	<1	
					2350.00	2280.00			143.00	<1	
					2845.00	2710.00			134.00	12.10	
					2116.00	1980.00			77.20	21.00	
					1790.00	1775.00			43.00	<1	
					1451.00	1217.00			53.50	<1	

				631.00	254.00		67.00	<1
				714.00	374.00		61.00	<1
				627.00	563.00		<1	<1
				1827.00	273.00		138.00	<1
				526.00	318.00		41.30	<1
				278.00	278.00		<1	<1
0.3	-9	-9	-9	-9.00	-9.00	-9.00	-9.00	<5 <5
				353.00	318.00		<1	<1
-9	-9	-9	-9	-9.00	-9.00	-9.00	-9.00	<5 <5
				340.00	326.00		<1	<1
				446.00	84.00		<1	<1
				436.00	401.00		<1	<1
				485.00	472.00		<1	<1
				701.00	679.00		<1	<1
				836.00	833.00		<1	<1
				965.00	967.00		<1	<1
				1118.00	1146.00		<1	<1
				10.00	0.00		<1	<1
				1816.00	1710.00		<1	5.90
				1976.00	0.00		15.60	8.00
				1050.00	959.00		20.00	<1
				1181.00	1166.00		7.10	1.40
				0.00	0.00		8.00	<1
				1309.00	1243.00		9.50	<1
				567.00	494.00		10.50	1.20
				529	510		10.1	5.4
				555.00	375.00		24.70	1.40
				0.00	0.00		1.90	<1
				401.00	362.00		6.30	<1
				359.00	307.00		6.90	<1
				465.00	441.00		<1	<1
				503.00	480.00		<1	<1
				489.00	551.00		<1	<1
				521.00	507.00		<1	<1
				580.00	582.00		<1	<1
				519.00	496.00		2.40	<1
				519.00	576.00		<1	<1
				888.00	838.00		<1	<1
-1	-1	0	0	366.00	957.00	-1.00 -1.00 -1.00	<2	
				1121.00	1081.00		<1	<1
				1202.00	1155.00		<1	<1
				1215.00	1170.00		1.20	<1
				1750.00	1770.00		<1	<1
				1870	1850		3.3	0
				2124.00	2067.00		9.60	0.00
				1882.00	1831.00		7.20	0.00
-1	-1	-9	-9	2050.00	1990.00	-1.00 -1.00 5.00	<2	
				1900			1.5	0
				234.00	2200.00		1.30	<1
				3060	290		10.8	0
				1014	827		17	1

					1183.00	1170.00		3.80	<1
					636.00	493.00		12.00	1.80
					1542.00	351.00		<1	4.60
					656.00	321.00		39.00	<1
-1	-1	-9	-9		720.00	694.00	-1.00	-1.00	166.00 <.2
					483.00	310.00		49.30	7.60
					414.00	397.00		7.90	5.50
					785	192		4.2	0
					399.00	346.00		10.30	1.30
					399.00	374.00		2.80	<1
					504.00	490.00		2.40	1.00
-1	-1	-9	-9		723.00	674.00	-1.00	-1.00	16.00 <.2
					745			4.6	0
					899.00	861.00		3.00	1.30
					1140	1112		1.1	0
-1	-1	-9	-9		585.00	388.00	-1.00	-1.00	-1.00 <.2
					1193	1161		0	0
					1332.00	1310.00		1.90	<1
					1600.00	1701.00		1.30	<1
					1970.00	2062.00		8.40	<1
					2350.00	-9.00		9.80	-9.00
-1	-1	-9	-9		2100.00	2100.00	-1.00	-1.00	15.00 <5
					1692.00	1599.00		12.40	<1
					-9.00	-9.00		-9.00	-9.00
					824.00	710.00		16.10	1.30
					631.00	406.00		27.90	1.70
					440.00	265.00		36.10	<1
-1	-1	-9	-9		400.00	240.00	10.00	-1.00	43.00 2.00
					467.00	445.00		2.20	1.00
					304.00	325.00		9.30	3.70
					320.00	307.00		3.60	<1
-9.000	-9.000	-9.00	-9.00		-9.00	320.00	-9.00	-9.00	<5
					337.00	307.00		3.50	<1
					334.00	308.00		2.40	<1
					-9.00	-9.00		-9.00	-9.00
					455.00	440.00		3.60	<1
-1	-1				490.00	470.00	-1.00	-1.00	2.00 <5
					432.00	427.00		1.30	<1
					628.00	629.00		<1	<1
-1.0	-1.0				800.00	810.00	-1.00	-1.00	-1.00 <5
-9.0	-9.0	-9.0	-9.0		-9.00	720.00	-9.00	-9.00	-9.00 <5
					764.00	753.00		1.10	<1
					761.00	684.00		15.50	<1
					672.30	678.00	0.00	0.00	1.40 0.00
					587.00	431.00		1.70	<1
-9.0	-9.0	-9.0	-9.0		-9.00	840.00	-9.00	-9.00	-9.00 <5
					922.00	908.00		0.00	
-9.0	-9.0	-9.0	-9.0		-9.00	1180.00	-9.00	-9.00	<5
					905.00	950.00		<1	<1
		<6	8.6		1183.17	1206.45	<20	<20	<30 <30
-9.0	-9.0	-9.0	-9.0		-9.00	2050.00	-9.00	-9.00	-9.00 <5

<.1	<.1	-9.0	-9.0	2500.00	2500.00	<10	<10	<5	<5
		<6	<6	1694.54	1588.60	<20	<20	<30	<30
		6.5	16.8	2948.41	2834.15	<20	<20	<30	<30
-9.0	-9.0	-9.0	-9.0	-9.00	1750.00	-9.00	-9.00	-9.00	<5
		6.5	<6	2025.61	1952.77	<20	<20	<30	51.70
-1.0	-1.0			3200.00	3200.00	-1.00	10.00	-1.00	<5
				2160.00	2168.00			6.90	<1
				3100.00	3040.00			39.00	<1
		<6	<6	2810.25	2387.35	<20	<20	<30	<30
				2390.00	2350.00			5.20	<1
-9.0	-9.0	-9.0	-9.0	-9.00	3180.00	-9.00	-9.00	-9.00	<5
				3140.00	2380.00			14.10	<1
				1901.00	1868.00			10.90	0.00
		<6	<6	1799.48	1806.54	<20	<20	<30	<30
				1963.00	1826.00			7.30	<1
-1	-1			1200.00	1100.00	10.00	-1.00	14.00	<5
		<6	<6	1049.39	585.28	<20	<20	58.99	<30
				476.00	422.00			20.10	10.20
		<6	<6	450.73	424.66	<20	<20	<30	<30
				627.00	604.00			3.40	<1
		<6	<6	637.58	641.89	<20	<20	<30	<30
				736.00	192.00			55.40	1.70
		<6	<6	500.44	215.86	<20	<20	55.28	<30
-9.0	-9.0	-9.0	-9.0	-9.00	510.00	-9.00	-9.00	-9.00	<5
				401.00	368.00			10.10	2.40
		<6	<6	387.77	401.37	24.97	<20	<30	<30
		<6	<6	395.09	398.82	<20	<20	45.30	<30
				536.00	261.00			40.30	0.00
				347.00	294.00			12.20	2.80
		<6	<6	322.28	300.68	<20	<20	<30	<30
		<6	<6	185.59	305.95	<20	<20	30.52	<30
				176.00	-9.00			3.20	0.00
-1	-1			470.00	440.00	-1.00	-1.00	8.00	2.00
		<6	<6	364.31	378.25	<20	20.62	<30	<30
				432.00	386.00			8.20	0.00
		<6	8.5	428.08	493.43	<20	<20	42.33	<30
		<6	8.5	641.10	722.75	25.31	<20	<30	<30
				623.00	611.00			2.90	0.00
-9.0	-9.0	-9.0	-9.0	-9.00	1360.00	-9.00	-9.00	-9.00	7.00
-1	-1			1100.00	1100.00	-1.00	-1.00	-1.00	<5
				1146.00	1132.00			1.00	0.00
				691.00	669.00			4.60	0.00
		<6	<6	565.85	561.67	<20	<20	<30	<30
-9.0	-9.0	-9.0	-9.0	-9.00	1370.00	-9.00	-9.00	-9.00	<5
				660.00	584.00			6.20	0.00
		15.0	8.3	798.46	777.73	<20	<20	32.67	<30
-1	-1			1600.00	1600.00	-1.00	-1.00	3.00	<5
				1446.00	1451.00			1.60	0.00
		18.3	10.3	1442.43	1456.11	<20	<20	45.21	<30
-9.0	-9.0	-9.0	-9.0	-9.00	2070.00	-9.00	-9.00	-9.00	<5
				2030.00	1894.00			3.40	0.00

		<6	<6	2108.28	2198.15	<20	<20	<30	<30
-1	-1			23002.30	23000.00	-1.00	-1.00	2.00	1.00
-9.0	-9.0	-9.0	-9.0	-9.00	1960.00	-9.00	-9.00	-9.00	<5
		<6	<6	1834.58	1801.46	<20	<20	<30	<30
				2530.00	2380.00			0.00	0.00
-1	-1			2300.00	2400.00	-1.00	-1.00	2.00	<1
		<6	<6	2332.87	2257.62	<20	<20	48.27	<30
				1928.00	1883.00			1.60	0.00
				2430.00	2080.00			3.30	0.00
				3900.00					<5
				3460.00	3480.00			4.30	0.00
		<6	<6	3678.43	3448.76	<20	<20	<30	<30
				2890.00	2610.00			9.30	0.00
				1324.00	1045.00			11.40	0.00
-1	-1			1325.69	1265.05	<20	<20	<30	<30
				1400.00	1400.00	-1.00	-1.00	6.00	<1
				871.00	814.00			5.50	0.00
				615.00	521.00			10.70	0.00
				459.00	385.00			6.10	0.00
		<6	<6	536.88	322.23	22.16	<20	33.98	<30
		<6	<6	591.41	272.29	<20	<20	60.27	<30
				376.00	219.00			28.10	0.00
		<6	<6	443.99	430.80	<20	<20	<30	33.23
				376	219			28.1	0
				590.00					<5
				343.00	324.00			3.70	0.00
								4.7	1.1
				385.00	450.00			10.70	0.00
-1.0	-1.0	<6	<6	357.68	339.27	<20	<20	<30	<30
		-9.0	-9.0	390.00	390.00	-1.00	-1.00	7.00	<1
		<6	<6	429.43	421.27	<20	<20	<30	<30
				573.00	560.00			2.10	0.00
				868.00	649.00			3.90	0.00
		<6	<6	628.77	643.02	<20	<20	<30	<30
				720.00					5.00
				876.00	849.00			1.90	0.00
				680.00	682.00	BDL	BDL	4.70	1.20
-1.0	-1.0	-9.0	-9.0	1200.00	1200.00	-1.00	-1.00	-1.00	<1
				1044.00	1010.00			0.00	0.00
		7.4	<6	1250.13	1223.87	<20	<20	<30	<30
				1550.00					<5
-1	-1			2000.00	2000.00	-1.00	-1.00	3.00	<1
				1601.00	1492.00			3.20	0.00
				3460.00					<5
-1.0	-1.0	-9.0	-9.0	3100.00	3500.00	-1.00	-1.00	2.00	<1
-1	-1			3100.00	3500.00	-1.00	-1.00	2.00	<1
				4150.00					<5
		0.0	10.3	0.00	2379.54	0.00	<20	0.00	<30
				2780.00	2600.00			11.70	<3
-1.0	-1.0	-9.0	-9.0	3200.00	3400.00	-1.00	-1.00	4.00	<1
				3470.00	3290.00			2.00	<3

				1901.00	1783.00		2.90	<3
				3020.00				<5
				1291.00	1119.00		5.80	1.80
-1.0	-1.0	0.0	9.3	0.00	2883.50	0.00	<20	0.00
		-9.0	-9.0	3900.00	4100.00	-1.00	-1.00	6.00
				470.00				<1
				470.00				<5
				436.70	280.00	BDL	BDL	21.60
				590.00				0.60
<.1	<.1			570.00	640.00	<5	<5	3.00
<.1	<.1			570.00	640.00	<5	<5	3.00
		<6		864.98				<1
<.1	<.1			740.00	820.00	<5	<5	3.00
				1297.80	1293.30			4.10
				1620.00				<5
				1649.70	880.60			8.30
<.1	<.1			2000.00	2100.00	<5	<5	2.00
				2363.90	2369.10			11.30
				2790.00				<5
<.1	<.1			2800.00	2900.00	12.00	<5	1.00
				3500.00				<1
				2892.30	2583.60			4.90
<.1	<.1			3000.00	3100.00	<5	<5	2.00
				2918.10	2755.70			2.80
				4290.00				<3
<.1	<.1			730.00	680.00	<50	<50	14.00
				530.00				3.00
<.1	<.1			920.00	890.00	<50	<50	2.00
				1540.00				<1
<.1	<.1			2400.00	<5	<50	<50	19.00
				1570.00				<5
<.1	<.1			2100.00	2000.00	<5	<5	11.00
				2680.00				<1
<.1	<.1			4600.00	4300.00	5.00	6.00	2.00
				2630.00				<5
<.1	<.1			3200.00	3300.00	<5	<5	4.00
				4330.00				<5
0.3	<.1			1100.00	750.00	<5	<5	32.00
				530.00				2.00
0.2	<.1			600.00	580.00	5.00	5.00	3.00
				1110.00				<1
<.1	<.1			<3	1100.00	<3	<3	<1
				1710.00				<5
<.1	<.1		<10	500.00	1900.00	6.90	3.70	5.00
				2850.00				<1
<.1	<.1			3700.00	3700.00	4.60	4.50	2.20
<.1	<.1			2100.00	1900.00	<5	<5	22.00
				1770.00				<1
				820.00				<5
<.2	<.2			582.00	19.00	<1	<1	0.20
				827.80	807.10			<1
<.05	0.07			947.00	950.00	<5	<5	<5

		1084.90	1043.70		3.70	<3
		1330.00				<5
		1171.90	1112.50		<3	<3
<1	<1	1470.00	1460.00	2.00	<1	2.00
		1254.70	1237.70		<3	<3
		1690.00				<5
		1593.00	1557.60		<3	<3
<1	<1	2000.00	2010.00	1.00	1.00	3.00
		1758.20	1741.20		2.00	<3
		2820.00				<5
		2583.20	2597.50		2.30	<3
		2829.30	2795.00		3.70	<3
<1	<1	2440.00	2430.00	2.00	2.00	3.00
		2732.10	2705.70		<3	2.40
		4370.00				<5
		2721.80	2656.90		6.60	<3
		2025.60	1966.80		2.30	<3
		1136.30	1118.70		<3	<3
<0.2	<0.2	1095.00	1163.50	<1	1.75	3.91
		560.6	0		28.5	0
		1455.70	600.60		<3	<3
<0.2	<0.2	515.00	599.40	1.64	<1	2.21
		1131.30	989.70		33.70	<3
		1714.80	1640.20		5.20	<3
<.2		1500.00		2.00		7.00
		1247.60	1168.90		2.70	<3
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		2393.60	2357.30		4.60	<3
		3115.60	3019.70		3.10	<3
<.2	<.2	3130.00	2880.00	1.00	2.00	3.00
		3480.50	3436.80		13.90	<3
		1204.90	1174.90		7.40	<3
<.2	<.2	1150.00	1020.00	4.00	1.00	12.00
		531.30	437.40		6.70	3.30
		547.40	520.40		3.00	<3
		670.9	663.1		6.5	<3
<.2	<.2	662.00	632.00	<1	1.00	3.00
		1649.10	1564.30		<3	<3
<.2	<.2	1850.00	1710.00	<1	<5	2.00
		1625	1432		0	<3
		670.90	663.10		6.50	<3
		2368.80	2308.20		<3	<3
0.2	0.2	2000.00	1940.00	2.00	1.00	2.00
		2669.20	2655.40		<3	<3
		3213.82	3132.72		3.59	<3
		4521.74	4469.78		4.56	<3
<.2	<.2	5070	4540	3	3	4<1
		5085.05	5009.77		3.29	<3
		3918.36	3896.78		7.50	<3
		3352.71	3360.86		3.38	<3

<.2	<.2		3420	3290	2	3	4<1	
			615.8	562.6			7<3	
			664.5	650.2			0<3	
<.2	<.2		712	710<1	<1		4<1	
			1120.3	1071.7		<3	<3	
			1802.1	1783.5		0	0	
			1802.1	1783.5		<3	<3	
<.2	<.2		1710	1660<1	1	2<1		
			1489.8	1442.6			1.2	<3
			1866.8	1782.7			<3	<3
<.2	<.2		1910	1920	2	2	2	<1
			3486.2	3366.2			<3	<3
			3897.9	3770.4			<3	<3
<.2	<.2		3900	3800	3	2	2<1	
			6191.1	6093		<3	<3	
			6191.1	6093		0	0	
			4855.8	4695.1		<3	<3	
<.2	<.2		4190	4200	3	3	2<1	
			4855.8	4695.1		0	0	
			4528.6	4517.6			6.7<3	
			1424.5	1318.2			5<3	
<.2	<.2		1330	138	2	2	3<1	
<.2				323	<1		<1	
			4528.6	4517.6		6.7	0	
			631.5	544.8			17.2<3	
			1023	1012.4		<3	<3	
<.2	<.2		1040	947	1	1	2<1	
			631.5	544.8		17.2	0	
			1100.5	1089.2			4.1<3	
			1023	1012.4		0	0	
			1371.1	1372.6			3.7<3	
<.2	<.2		1270	1270	1<1		2<1	
			1005.4	990.5			3.8<3	
			1971.5	1915.4		<3	<3	
<.2	<.2		2110	2060	1	1	2<1	
			2394.8	2421.1		<3	<3	
			3387.2	3253.8			3.7<3	
			3360.7	3178		<3	<3	
			3669.8	3483.6		<3	<3	
<.2	<.2		3660	3650	2	2	2<1	
			2870	2784.7		<3	<3	
			2870	2784.7		0	0	
<.2	<.2		1070	1040<1	<1		6<1	
			933	915.9			4.3	4.5
			443	326.8			11.9<3	
			555	518<2	<2		3.4<1	
<.2	<.2		751	702<1		1	2<1	

		703	683.6		3.4	3.4
		548	413.5		55.8	<3
<1	<1	1210	1300	<5	<5	<5
		1284.3	1223.4		7.4	<3
		1240.8	1228.1		7.8	3.5
		1240.8	1228.1		7.8	3.5
<.2	<.2	1540	1530	1	1	2<1
		2372	2353.9		4.8	<3
<.2	<.2	2850.00	2840.00	2.00	2.00	<1
		3075.4	2960		0	<3
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		8246	6250		5.3	<3
<.1	<.2	1540.00	1510.00	<1	1.00	<1
		1326.1	1267.7		7.1	<3
		544.5	215.7		42.7	4
<.2	<.2	639.00	657.00	2.00	<1	<1
		586.5	572.5		3.7	<3
		648.7	622.7		4.8	3.3
<.2	<.2	1450	1470	1.00	<1	3<1
		1300.6	1270.2		6.3	4.3
		1599.9	1452.2		6.5	4.6
<1	<.2	2780.00	2900.00	2.00	2.00	2.00
		2906.4	2839.6		5.7	4.6
		2325.4	2332.2		6.4	4.7
<.2	<.2	3810	3920	3	3	2<1
		3863.4	3838		6.9	4.6
		2492.4	2449.8		9.7	3.7
<.2	<.2	977	311		2<1	120<1
		851.6	323.7		75.8	3.3
		697	340	<2	<2.00	52.3
		395.1	375.5			5.2
		697	636	<2.0	<2.0	2.5
		589.4	580.2			0<3
<.2	<.2	606	609	<1	<1	2<1
		676	668	<2	<2.00	2.1
		1071.3	1049.8			0<3
		1290	1320	<2.0	<2.0	1.4
<.2	<.2	1800	1840	1	2	8<1
		1949	1936.8			4.3<3
		1580	1540	<2.0	<2.0	2.0
		2059.8	1977.7			3.2<3
<.2	<.2	1900.00	1880.00	1.00	2.00	1.00<1
		259.8	0			0<3
		2320	2380	<2.0	<2.0	1.9
		2313.6	2238.8			3.7<3

		3550	3560	<2.0	<2.0	2.7	<1.0
		2827.3	2763.6			4.1	<3
		2830	2710	<2.0	<2.0	2.4	<1.0
		3980	3730	<2.0	<2.0	4.4	<1.0
		4371.1	4320.8			3.6	<3
<.2	<.2	1080.00	1040.00	1.00<1		3	1.00
		1089.1	1063			3.8	<3
		435	335	<4.0	<4.0	15.3	<1.0
		416.5	334.9			13.3	<3
<.2	<.2	784.00	748.00	<1	<1	2.00	<1
		724.4	731.6			5.4	4.2
		668	649	<4.0	<4.0	1.5	<1.0
		1344.5	1308.9			3.4	<3
<.1	<.2	1240	1180.00	1.00	1.00	3.00	<1
		11989.9	1233.9			0	<3
		1280	1310	<4.0	<4.0	2.2	<1.0
		1456	1421.5			0	<3
		1770	1790	<4.0	<4.0	1.7	<1.0
<.1	<.2	1410	1390.00	1.00	1.00<1		2.00
		1436.8	1393.9			0	<3
		2210.3	1903.7			0	<3
		2726.3	2744.6			<3	<3
<.1	<.2	2710	2700.00	2.00	2.00<1		<1
		2753.5	2600.1			3.9	<3
		3421.2	3418.4			<3	<3
<.1	<.2	3740	3660	3	3	4	<1
		3200	3160	<4.0	<4.0	5.4	<1.0
		3753.1	3650.9			6.5	<3
<.1	<.2	3170	3290	2	2	4	<1
		2057.2	1968.6			13.4	<3
		588.1	484			10.9	<3
		550	415	<4.0	<4.0	19.6	<1.0
		456.2	432.6			4.1	<3
		571	537	<4.0	<4.0	4.9	<1.0
		700.8	685.8			<3	<3
		868	821	<4.0	<4.0	1.7	<1.0
		892.4	841.6			<3	<3
<.1	<.2	920	976	1<1		2	<1
		1120	1140	<4.0	<4.0	1.7	<1.0
		1473.9	1468.9			<3	<3
		1300	1310	<4.0	<4.0	1.7	<1.0
		1676	1526.6			<3	<3
<.1	<.2	1770	1750	2	2	2	<1
		2029.6	1784			<3	<3
-9	-9	672.30	678.00	-1.00	-1.00	1.40	<3

SE_TOT	SE_DIS	SR_TOT	SR_DIS	TL_TOT	TL_DIS	V_TOT	V_DIS	ZN_TOT	ZN_DIS
-1.00	-1.00	-9	-9	-9	-9	-9	-9	310.00	290.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	410.00	350.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	540.00	450.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	290.00	290.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	400.00	370.00
								513.00	540.00
								510.00	519.00
								471.00	461.00
								478.00	453.00
								489.00	480.00
								599.00	557.00
								567.00	548.00
								482.00	444.00
								489.00	450.00
								513.00	479.00
								381.00	350.00
								351.00	324.00
								427.00	406.00
								370.00	320.00
								347.00	322.00
								290.00	287.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	270.00	360.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	350.00	300.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	380.00	310.00
								274.00	250.00
								277.00	277.00
								409.00	352.00
								391.00	363.00
								894.00	632.00
								483	
								364.00	324.00
								338.00	336.00
-9.00	-9.00	-9	-9	-9	-9	-9	-9	390.00	370.00
-9.00	-1.00	-9	-9	-9	-9	-9	-9	420.00	420.00
								361.00	356.00
								519.00	495.00
								574.00	556.00
								511.00	489.00
								504.00	490.00
								2030.00	1785.00
								2390.00	1790.00
								2455.00	1785.00
								1663.00	1474.00
								1540.00	1458.00
								1151.00	912.00

									522.00	323.00
								646.00	510.00	
								767.00	721.00	
								739.00	374.00	
								489.00	405.00	
								336.00	325.00	
-9.00	-9.00	-9	-9	-9	-9	-9	-9	310.00	300.00	
								335.00	323.00	
-9.00	-9.00	-9	-9	-9	-9	-9	-9	330.00	340.00	
								314.00	312.00	
								354.00	97.00	
								365.00	363.00	
								338.00	325.00	
								396.00	384.00	
								479.00	487.00	
								586.00	570.00	
								583.00	591.00	
								0.00	17.00	
								834.00	783.00	
								923.00	865.00	
								688.00	645.00	
								912.00	897.00	
								0.00	0.00	
								888.00	871.00	
								568.00	523.00	
								520	505	
								490.00	435.00	
								68.00	351.00	
								364.00	361.00	
								315.00	813.00	
								351.00	616.00	
								363.00	349.00	
								379.00	351.00	
								382.00	494.00	
								418.00	412.00	
								324.00	305.00	
								426.00	354.00	
								445.00	415.00	
-1.00	-1.00	-9	-9	-9	-9	-9	-9	446.00	418.00	
								624.00	665.00	
								707.00	689.00	
								874.00	849.00	
								1042.00	1036.00	
								1137	1086	
								1100.00	1026.00	
								1035.00	968.00	
-1.00	-1.00	-9	-9	-1	-1	-1	-1	1255.00	1090.00	
								1116		
								103.00	1072.00	
								1303	114	
								908	778	

									873.00	852.00
									606.00	526.00
									744.00	388.00
									518.00	416.00
-1.00	-1.00	-9	-9	-1	-1	-1	-1	720.00	470.00	
								415.00	380.00	
								482.00	475.00	
								386	225	
								352.00	339.00	
								351.00	338.00	
								305.00	307.00	
-1.00	-1.00	-9	-9	-1	-1	-1	-1	380.00	320.00	
								319		
								378.00	377.00	
								485	474	
-1.00	-1.00	-9	-9	-1	-1	-1	-1	325.00	300.00	
								537	515	
								578.00	563.00	
								858.00	799.00	
								890.00	847.00	
								1141.00	-9.00	
-1.00	-1.00	-9	-9	-1	-1	-1	-1	1100.00	1100.00	
								895.00	832.00	
								-9.00	-9.00	
								591.00	530.00	
								499.00	420.00	
								395.00	341.00	
-1.00	-1.00	-9	-9	-1	-1	-1	-1	370.00	350.00	
								494.00	470.00	
								301.00	319.00	
								298.00	289.00	
-9.00	-9.00	-9.000	-9.000	-9.000	-9.000	-9.000	-9.000	-9.00	280.00	
								267.00	244.00	
								281.00	262.00	
								-9.00	-9.00	
								287.00	263.00	
-1.00	-1.00			-1	-1	-1	-1	310.00	300.00	
								293.00	291.00	
								399.00	392.00	
-1.00	-1.00			-1.0	-1.0	-1.0	-1.0	450.00	430.00	
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	410.00	
								449.00	437.00	
								427.00	371.00	
0.00	0.00					0	0	431.80	422.70	
								411.00	285.00	
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	490.00	
0.00									494.00	
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	600.00	
								463.00	477.00	
0.00	0.00	528.2	523.8	0.0	0.0	<4	<4	564.26	573.65	
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	950.00	

<5	<5	-9.0	-9.0	<5	<5	<5	<5	980.00	1000.00
0.00	0.00	616.3	566.7	0.0	0.0	<4	<4	805.55	736.76
0.00	0.00	754.1	700.0	0.0	0.0	<4	<4	1024.87	938.30
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	790.00
0.00	0.00	598.9	605.9	0.0	0.0	<4	<4	938.72	860.34
-1.00	-1.00			-1.0	-1.0	-1.0	-1.0	1200.00	1300.00
								973.00	954.00
								1399.00	1179.00
0.00	0.00	510.9	439.1	0.0	0.0	<4	<4	1543.79	1239.50
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	1210.00	1192.00
								1126.00	1035.00
								956.00	937.00
0.00	0.00	396.6	402.1	0.0	0.0	<4	<4	928.70	882.15
								937.00	852.00
-1.00	-1.00			-1	-1	-1	-1	700.00	680.00
0.00	0.00	223.7	226.7	0.0	0.0	<4	<4	772.32	596.52
								478.00	481.00
0.00	0.00	186.1	195.9	0.0	0.0	<4	<4	452.23	392.61
								527.00	511.00
0.00	0.00	244.8	253.9	0.0	0.0	<4	<4	482.44	482.42
								548.00	454.00
0.00	0.00	141.9	151.0	0.0	0.0	<4	<4	373.71	266.17
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	450.00
								630.00	445.00
0.00	0.00	177.5	201.9	0.0	0.0	<4	<4	390.57	418.63
0.00	0.00	172.3	192.0	0.0	0.0	<4	<4	370.31	385.33
								400.00	351.00
								353.00	349.00
0.00	0.00	166.4	170.1	0.0	0.0	4.9	<4	327.50	317.91
0.00	0.00	155.6	178.0	0.0	0.0	<4	<4	271.66	243.61
								171.00	-9.00
-1.00	-1.00			-1	-1	-1	-1	340.00	330.00
0.00	0.00	181.5	195.5	0.0	0.0	<4	<4	280.71	264.47
								302.00	340.00
0.00	0.00	189.0	226.7	0.0	0.0	6.5	<4	255.22	255.32
0.00	0.00	238.5	272.5	0.0	0.0	<4	<4	354.71	352.88
								324.00	342.00
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	110.00
-1.00	-1.00			-1	-1	-1	-1	420.00	420.00
								419.00	404.00
								324.00	306.00
0.00	0.00	285.0	287.9	0.0	0.0	<4	<4	343.83	309.27
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	460.00
								325.00	318.00
0.00	0.00	351.5	331.4	0.0	0.0	<4	5.0	460.57	377.53
-1.00	-1.00			-1	-1	-1	-1	550.00	570.00
								500.00	458.00
0.00	0.00	439.0	459.6	0.0	0.0	<4	<4	528.49	498.57
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	617.00
								677.00	669.00

0.00	0.00	513.8	555.6	0.0	0.0	<4	<4	664.10	610.89
-1.00	-1.00			-1	-1	-1	-1	860.00	810.00
-9.00	-9.00	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.00	610.00
0.00	0.00	586.9	600.7	0.0	0.0	<4	<4	647.27	600.08
								1078.00	651.00
-1.00	-1.00			-1	-1	-1	-1	650.00	700.00
0.00	0.00	563.5	566.4	0.0	0.0	<4	<4	831.26	837.23
								780.00	781.00
								950.00	925.00
									1510.00
									1540.00
0.00	0.00	571.5	551.1	0.0	0.0	<4	<4	1326.13	1181.10
								1256.00	1194.00
								896.00	637.00
0.00	0.00	311.6	338.2	0.0	0.0	<4	<4	668.59	742.03
-1.00	-1.00			-1	-1	-1	-1	820.00	840.00
								567.00	523.00
								457.00	444.00
								372.00	353.00
0.00	0.00	206.0	191.0	0.0	0.0	<4	<4	344.57	288.79
0.00	0.00	175.5	162.6	0.0	0.0	<4	<4	378.58	282.70
								299.00	241.00
0.00	0.00	206.7	226.4	0.0	0.0	<4	<4	325.00	297.17
								299	241
									320.00
								264.00	245.00
									452.00
									256.00
0.00	0.00	155.1	169.2	0.0	0.0	<4	<4	241.12	245.43
-1.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	280.00	280.00
0.00	0.00	178.6	198.5	0.0	0.0	<4	<4	230.92	227.25
								274.00	295.00
								311.00	298.00
0.00	0.00	284.9	278.3	0.0	0.0	<4	<4	260.45	226.21
									310.00
								358.00	342.00
-1.00	-1.00	-9.0	-9.0	-1.0	-1.0	BDL	BDL	320.00	335.00
								390.00	420.00
								360.00	298.00
0.00	0.00	501.9	499.8	0.0	0.0	<4	<4	362.24	350.99
									460.00
-1.00	-1.00			-1	-1	-1	-1	600.00	660.00
								590.00	594.00
									765.00
-1.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	760.00	860.00
-1.00	-1.00			-1	-1	-1	-1	760.00	860.00
									810.00
0.00	0.00	0.0	620.1	0.0	0.0	0.0	<4	0.00	640.18
-9.00	-9.00							806.00	732.00
-2.00	-2.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	920.00	1000.00
-9.00	-9.00							845.00	798.00

-9.00	-9.00							697.00	635.00
									790.00
-9.00	-9.00							530.00	485.00
0.00	0.00	0.0	509.4	0.0	0.0	0.0	<4	0.00	898.94
-2.00	-1.00	-9.0	-9.0	-1.0	-1.0	-1.0	-1.0	1800.00	1900.00
									270.00
							BDL	BDL	297.80
									224.70
									288.00
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<5	<5			<5	<5	<5	<5	280.00	290.00
		294.429					<4		296.18
<5	<5			<1	<1	<5	<5	320.00	310.00
2.70	<2							468.20	406.30
									506.00
4.00	2.60							400.60	260.40
<5	<5			<1	<1	<5	<5	470.00	720.00
<2	2.90							569.10	564.00
									697.00
<5	<5			<5	<5	<5	<5	630.00	700.00
									787.00
2.90	<2							772.00	615.40
<5	<5			<1	<1	<5	<5	630.00	710.00
2.10	<2							797.10	721.10
									1060.00
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									320.00
<5	<5			<1	<1	<5	<5	340.00	340.00
									420.00
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									510.00
<5	<5			<1	<1	<5	<5	540.00	510.00
									648.00
<5	<5			<1	<1	<5	<5	820.00	780.00
									680.00
<5	<5			<1	<1	<50	<5	710.00	780.00
									1070.00
<5	<5			<1	<1	<5	<5	710.00	630.00
									310.00
<5	<5			<1	<1	<.005	<.005	250.00	250.00
									346.00
<3	<3			<1	<1	<3	<3	<3	490.00
									506.00
<3	<3			<1	<1	<3	<3	280.00	610.00
									750.00
<3	<3			<.001	<.001	<3	<3	830.00	890.00
<3	<3			<1	<1	<50	<5	610.00	600.00
									510.00
									422.00
<1	<1					<5		261.00	255.00
<2	<2							293.10	278.90
<2	<2							357.00	340.00

2.60	<2						328.10	314.60
							496.00	
<2	<2						435.40	413.40
<1	1.00		<1	<1	<1	<1	545.00	558.00
<2	<2						440.50	416.60
							648.00	
2.70	2.70						634.20	615.80
<1	<1		<1	<1	<1	<1	646.00	641.00
2.60	3.80						620.20	593.90
							877.00	
3.90	<2						820.10	778.10
3.10	<2						863.20	831.70
<1	<1		<1	<1	<1	<1	743.00	718.00
6.40	<2						681.90	672.00
							850.00	
2.10	<2						692.70	708.80
<2	<2						698.00	657.30
<2	<2						549.40	518.50
<2.5	<2.5		<1	<1	<1	<1	594.50	552.50
0	0						442.1	0
7.00	<2						338.60	289.90
0.73	0.66		<1	<1	<1	<1	302.70	318.10
2.10	2.30						397.50	319.50
4.30	<2						626.90	545.60
<.5			<1		<1		620.00	546.00
<2	<2						393.00	375.60
0.70	1.10		<1	<1	<1	<1	731.00	701.00
3.20	<2						693.00	674.70
3.00	4.50						672.40	639.90
<.5	<.5		<1	<1	<1	<1	734.00	701.00
7.00	<2						1106.80	1074.00
14.80	<2						671.00	572.80
0.90	<.5		<1	<1	<1	<1	960.00	580.00
<2	<2						348.40	209.60
6.50	6.40						375.60	353.60
8.1	0						336.1	331.9
<1	<1		<1	<1	1	<1	326.00	295.00
6.70	<2						555.00	431.90
6.00	<6		<1	<1	<100	<1	672.00	512.00
18.6	18.1						548.5	510.7
8.10	<2						336.10	331.90
4.90	7.40						650.10	645.30
0.50	0.50		1	1	1	1	622.00	588.00
4.50	3.10						703.10	675.50
<2	<2						689.33	679.29
6.01	3.73						966.42	944.98
0.7	1		<1	<1	<100	<1	1120	1120
3.66	<2						1099.18	1056.70
4.13	<2						1103.82	1043.59
2.80	<2						1048.03	1007.38

<.5		4.2		<1	<1	<100	<1		1070	1030
	0	0							405.1	380
	0	5							306.3	285.8
<.5	<.5			<1	<1	<100	<1		293	312
<2	<2								257.8	265.1
	0	0							453.6	446.4
<2	<2								453.6	446.4
	0.6<.5			<1	<1	<100	<1		447	428
	<2	<2							447.7	416.8
	<2	<2							537	499.6
<.5	0.5			<1	<1	<100	<1		535	552
<2	5.2								691.1	658.1
<2	<2								744.1	734.5
0.6	0.9					<100	<1		756	772
7.2	3.8								1020.2	1015.2
	7.2	3.8							1020.2	1015.2
	2.6<2								920.8	893.4
<.5	<.5					<100	<1		972	955
	2.6	0							920.8	893.4
	5.3	2.7							1213.5	1171.5
<2	<2								520.7	490.2
<.5	<.5					<100	<1		521	495
	<.5						<1			301
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	4.1<2								326.1	292.2
	4.4	6.6							340.6	326
<.5	<.5					<100	<1		355	336
	4.1	0							326.1	292.2
<2	<2								370.1	360.1
	6.6	4.4							340.6	326
<2	<2								599.7	390.5
	0.9	0.7				<100	<1		474	455
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<2	<2								538.1	529.6
	0.6<.5					<100	<1		608	576
	11.3	7.6							637.3	634.7
<2	<2								692	668.2
<2	<2								838.9	670.9
	6.4	3.1							732.9	707.6
<.5	<30					<100	<1		769	762
	4.1	8.2							698.1	665.8
	4.1	8.2							698.1	665.8
<.5	<.5					<100	<1		412	355
	13.3	0							380.5	357.3
	0	0							298.7	254.8
									256	254
<.5	<.5					<100	<1		288	284

	0	0				269.2	249.7
	48.4	53.9				300.1	218.9
<.5	<1			<100	<100	360	350
	12.3	11.7				347.4	309.5
						418.5	396.1
<.5	23.1	8.4				418.5	396.1
	0.6			<100	<1	509	498
	0	0				611.3	601.6
0.60	0.60		<1	<1	<1	701.00	680.00
	92.7	0				1082.8	819.6
<.5	0.50		<1	<1	<1	1330.00	1250.00
	0	0				1728.1	1622.2
<.5	<.5		<1	<1	<100	661.00	585.00
	0	0				532.6	487.6
	0	0				339.2	220.7
2.00	<.5		<1	<1	<100	<1	296.00
	0	0				276	261.8
	0	0				267.4	249
<.5	<.6		<1	<1	<100	<1	429
	0	0				365.4	354.9
	0	0				425.1	403.9
<.5	<.6		<1	<1	<1	748.00	731.00
	0	0				672.6	656.8
	0	0				556.7	545.8
0.9	0.5		<1	<1	<100	<1	884
	0	0				841	784.5
	0	0				659.1	615.5
0.8<.5			<1	<1	<100	<1	520
	0	0				418.4	244.9
<1.0	<1.0					405	295
	0	0				328.2	317.4
<1.0	<1.0					324	270
	0	0				250.8	247.8
<.8	<1		<1	<1	<100	<1	288
	<1.0	<1.0				270	268
	0	0				283.4	276.4
<1.0	<1.0					333	332
<.5	<.5		<1	<1	<100	<1	476
	0	0				385.5	367.2
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	0	0				437.7	417.6
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	0	0				114.7	0
<1.0	<1.0					581	567
	0	0				508.1	488.5

<1.0	<1.0						663	702
0	0						579.5	530.4
1.6	<1.0						597	610
<1.0	<1.0						1180	985
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.7	0.70	<1	<1	<100	<1		458.00	444.00
0	0						464	441.5
<1.0	<1.0						318	286
0	0						296.8	263.7
<.6	<.5	<1	<1	<100	<1		310.00	283
0	0						270.1	265.3
<1.0	<1.0						273	261
0	0						346.8	303.7
<.6	<.5	<1	<1	<100	<1		366.00	344
0	0						342.4	318.5
<1.0	<1.0						380	410
0	0						359	337.1
<1.0	<1.0						441	436
<.5	<.5	<1	<1	<100	<1		384.00	348
0	0						371.6	354.8
0	0						408.6	386.8
<5	<5						510.1	494.3
0.80	0.90	1<1		<100	<1		530.00	530
<5	<5						720.8	689.4
<5	<5						748.1	716.9
0.8	0.5	<1	<1	<100	<1		814	799
<1.0	<1.0						874	874
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0.5<.5		<1	<1	<100	<1		916	916
<5	<5						612.6	544.5
<5	<5						345.4	290.4
<1.0	<1.0						307	274
<5	<5						229	211
<1.0	<1.0						252	237
<5	<5						232	221.1
<1.0	<1.0						290	282
<5	<5						245.2	236
<.5	<.5	<1	<1	<100	<1		317	311
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<5	<5						414	386.4
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<.5	<.5	<1	<1	<100	<1		451	421
<5	<5						443.8	411
-1.00	-1.00	-1	-1	-1	-1	-1	431.80	422.70

DIS_OXY_NDO SAT.	TSS_MG	TDS_MG	T_PHOS_MP_DIS_MGPO4_DIS_NSI_TOT_M_NSI_DIS_MGNA_TOT_N%					
-9	11	-9	0.01	-9	-9	6.6	6.6	2
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
10								
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9								
9								
12								
-9	-1	-9	-1	-9	-9	4.4	-9	0.97
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
10								
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9								
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-1	-9	-9	-9	-9	-9	7.9	-9
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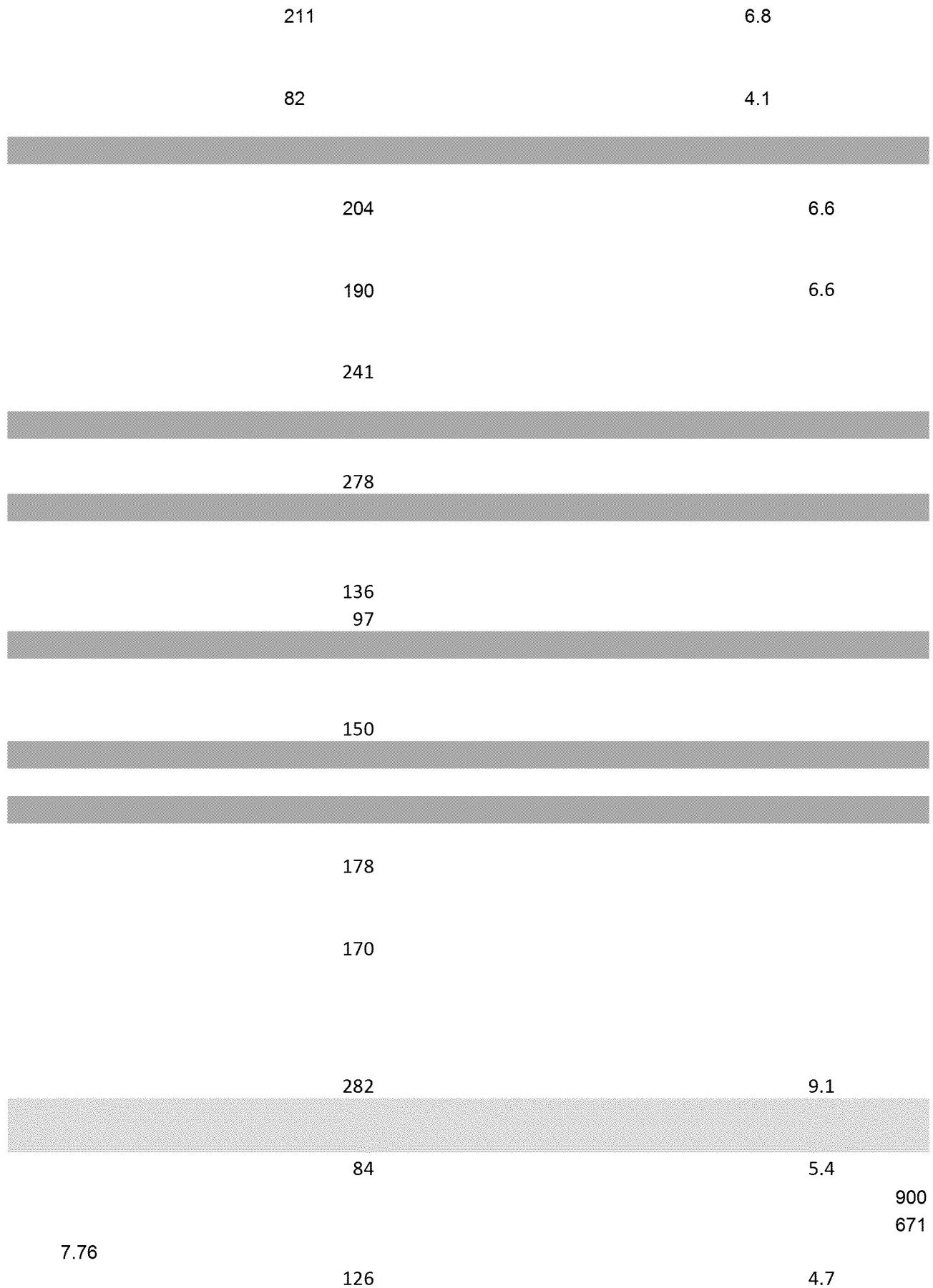
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-9.0									
487.00	-9.00								
-9.0									
6.0									
9.6									
-9.0									
2.48									
-9.0									
-9.0									

	-9.0	280.0	0.7	-9.0	<.02	3.7	-9.0	3.4
7.7								2.82
10.4								3.34
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
9.8		300.0				4.0		2.41
8								2.9
8								
9.7								2.14
6								
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
7								
-9.00								
10.0								1.89
6		130				3		1.5
8.6								1.12
8								
9.7								0.91
9								
8.4								1.14
7								
9.4								0.68
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
6.0								
9.0								0.90
10.1								0.90
6.0								
8.0								
8.8		90				2.2		0.88
7.8								0.78
8.0								
8.6								0.85
6.0								
8.4								0.84
8.8								1.01
9.0								
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
-9.00		160				3.2		1.9
7.0								
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	1.29
9.0								
9.1								2.61
	220					3.3		2
9.0								
9.1								2.90
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.0								

										2.24
-9.0		-9.0	300	-9.0	-9.0	-9.0	3.9	-9.0	-9.0	2.6
10.6			-9.0							2.63
6.0										
9.1			330				4			2.8
10.0										2.59
4.0										
4.0										
8.4										2.78
10.0										
9.0										
9.2			160				3.2			1.70
7.0										1.9
10.0										
10.0										
8.3										1.06
10.0										0.93
10.0										
10										1.31
-9.0										
0.4										
8.8										0.808
-9.00	-9.00	-9.00	86.00	-9.00	-9.00	-9.00	1.80	-9.00	-9.00	0.80
8.1										0.854
3.0										
8.0										
7.1										1.32
8.0										
-9.00	-9.00	-9.00	230.00	-9.00	-9.00	-9.00	3.30	-9.00	-9.00	2.00
13.0										
7.9										2.31
8.0			220				3.4			2.2
-9.00	-9.00	-9.00	280.00	-9.00	-9.00	-9.00	3.30	-9.00	-9.00	2.40
6.0			280				3.3			2.4
10.0	-9									
-9.00	-9.00	-9.00	280.00	-9.00	-9.00	-9.00	3.70	-9.00	-9.00	2.60
6.0	-9									

6.0	-9								
9.0	-9								
9.3									
-9.00	-9.00	-9.00	270.00	-9.00	-9.00	-9.00	3.70	-9.00	2.10
			120						1.2
			120						1.2
7.4			140						1.5
7.0	-9								
9.0	-9		260						2.2
6.0	-9								
			250				3.9		2.4
10.0	-9								
			290				3.6		3
10.0	-9								
			100				2.7		1.2
			150				2.8		1.6
			210				3.5		2.1
			230				3.5		2.2
			290				4.1		3
			280				4.2		
			110				3.3		1.4
			110				2.2		1
5.43	77.90%	200					3.3		2
6.16	74%	240					38		2.4
			330				4.7		3.2
			260				4.7		3.1
			122				12.1		11.3
6.6	-9								
			161	<2			6.36		

-9.0	-9				
-9.0	-9	240		7.59	7.63
-9.0	-9				
-9.0	-9	234		6.62	3.6
-9.0	-9				
-9.0	-9				
-9.0	-9	259		7.6	<1
-9.0	-9				
-9.0	-9				
-9.0	-9				
9.1	100				
9.17	100%	168.76		6.26	2.72
7.6	100				
7.58	100	123.33		1.52	<1
-9.0	-9				
8.3	-9				
8.26	100	171			
-9.0	-9				
		271		7.78	2.8
-9.0	-9				
-9.0	-9				
		289		7.91	2.7
-9.0	-9				
8.5	96				
8.54	96	122		5.8	1.5
-9.0	-9				
-9.0	-9				
6.9	84				
6.96	84	134		4.8	1.1
-9.0	-9				
		221		7.8	3
-9.0	-9				
-9.0	-9				
		203		7.4	
-9.0	-9				
		284		8.0	



			1074
			1182
	160		7.2
			2238
			1683
	183		7.1
			2247
	248		8.6
			5807
	226		9.3
			2712
	109		3.6
			1358
			766
	110		2.5
			685
			1027
	182		8.5
			1449
			1879
	245		10.6
			2496
			2225
	260		2783
			2307
	87		
10.02	89		837
8.2			676
8.8			1037
8.5			1708
8.0			
10.0	<20	210	1930
			1933
		219	7.5
			19155
10.2	<20	250	2075

10.2	300	<20		2502
9.5	270	<20		
9.6				2759
		143	5.1	
				1526
9.2	81	<20		
		120	6	716
				1418
8.5	150	<20		
		213	7	1259
				1812
8.9	330	<20		
----	210	<20	7	1914
		173		
				2025
				2308
				2.9
	264	184	8.8	
				1.9
				2.3
		265		9.5
9.7	<20	260		
				1.5
		211	8	
				0.4
				0.5
8.0	<20	79		
				<.1
8.6	<20	94		
				0.3
8.4	<20	190		
				0.4
		203	8.7	
8.4	<20	200		
				0.5
9.9	<20	190		
				1.6
		194	7.8	
				1.9

NA_DIS_MCL_MG	F_MG	HCO3_MG	CO3_MG	OH_MG	NH3_MG	NO2_MG	NO3_MG	NO2_NO3_as N
2	-1	0.49	-9	-9	-9	-1	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-1	-1	-9	-9	-9	-1	-9	-1
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9
2.7	-1	0.57	-9	-9	-9	-9	-9	-9

-9 -9 -9 -9 -9 -9 -9 -9 -9 -9

-9 -9 -9 -9 -9 -9 -9 -9 -9 -9

-9 3.7 -9 33 0 0 0 0 -9 0

2.7 4 -9 39 0 -9 -9 -9 -9 -9

-9 4 -9 28 0 -9 -9 -9 216 -9

-9 7 -9 39 0 -9 -9 -9 -9 -9 -9

-9 1 -9 44 0 -9 -9 -9 0.65 -9

-9 1 0.6 34 -1 -1 -1 -1 0.24 0.24

-9 -1 -1 22 -1 -1 -9 -9 -9 -9

-9.00 -9.00 -9.00 -9.00 -9.00 -9.00 -9.00 -9.00 -9.00 -9.00

-1 -1 31 -1 -1 -9 -9 -9 -9 -9

-9.0 -1.0 0.6 41.0 -1.0 -1.0 -1.0 -1.0 0.1 0.1
-9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

1.93 1.53

-9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

-9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

2.26 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0 -9.0

-9.0	<1	0.7	46.0	<5	<5	<.2	<.05	0.2	0.2
2.37									
2.86									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.47									
	-1.0	0.8	44.0	-1.0	-1.0				
1.93									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.75									
	-1	-1	34	-1	-1				
1.24									
1.12									
1.44									
0.93									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.06									
1.05									
0.86									
0.90									
	-1	-1	27	-1	-1				
0.97									
1.07									
1.31									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
	-1	-1	39	-1	-1				
1.33									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
1.40									
	-1	-1	41	-1	-1				
1.95									
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

2.37										
-9.0	-1	0.7	58	-1	-1	-9.0	-9.0	-9.0	-9.0	-9.0
2.56	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
2.24										
2.70										
1.73										
	-1	-1	34	-1	-1					
1.06										
0.86										
1.14										
0.87										
-9.00	-1.00	-1.00	24.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00	-9.00
1.03										
1.27										
1.67	0.81	0.36								
-9.00	-1.00	-1.00	41.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00	-9.00
2.22										
	2	0.6	44	-1	-1					
-9.00	1.00	0.70	41.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00	-9.00
	1	0.7	41	-1	-1					
2.713										
-9.00	1.00	0.70	41.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00	-9.00

2.406									
-9.00	3.00	0.70	34.00	-1.00	-1.00	-9.00	-9.00	-9.00	-9.00
0.79	BDL	0.22							
	<1	<.5	36	<5	<5				
	<1	<.5	36	<5	<5				
1.419	2	<.5	46	<5	<5				
	<1	0.6	40	<5					
	1	0.6	41	<5	<5				
	4	0.6	44	<5	<5				
	<1	<.5	36	<5	<5				
	<1	<.5	28	<5					
	2	0.5	34	<5					
	2	0.5	25	<5					
	1	0.8	60	<5	<5				
2.9	1	0.7	39	<5	<5				
	2	<.5	39	<5	<5				
	<1	<.5	33	<5	<5				
	<.5	0.44	42	<5	<5				
2.8	1.3	<.05	36	<5	<5				
	1.4	0.69	37	<5	<5				
	1.4	0.6							
0.9	0.7	0.44	30	ND					
2.54	0.47	0.5	39.6	<1		<.05			0.14

2.4	<1	0.6	43.3	<1	<1	0.17	<.10
	<1	0.6	45.1	<1	<1		
	<1	0.7	42.7	<1	<1		
17.1	0.53	32.94	<1	<1			
3.18	0.36	31.72	<1	<1			
	<1	0.5	36	<1	<1		
	<1	0.6			<1		
	<1	0.6			<1		
	3.2	0.4			<1		
	<1	0.4			<1		
	<1	0.6			<1		
3	1	0.6	44	1	1		
3	<1	0.8	40	<1	<1		

3 7 0.7 30 <1 <1

1 <1 0.3 28 <1 <1



2 <1 0.5 43 <1 <1

2 <1 0.4 49 <1 <1

3 <1 0.8 40 <1 <1



3 <1 0.8 21 <1 <1



<1 1 <1 0.4 32 <1 <1
<1 <1 0.2 29 <1 <1



1 <1 0.4 32 <1 <1



2 <1 0.4 44 <1 <1

2 3 0.5 45 <1 <1

<1 3 <1 0.8 40 <1 <1



<1 <1 0.4 10 <1 <1

916

591

925 <.5

2 <1 0.4 34 <1 <1

980					
1086					
2.5<1					
2100					
1706					
2<1			46<1	<1	
2205					
3 <1	0.7	42	<1	<1	
2919					
3 <1	0.8	42	<1	<1	
2670					
2 <1	0.4	37	<1	<1	
1362					
629					
<1 <1	0.3	28	<1	<1	
572					
970					
2<1	0.5	41<1	<1		
1418					
1756					
3 <1	0.7	41	<1	<1	
2238					
2317					
<1	0.8	39<1	<1		
2628					
2330					
<1 <1	0.2	27<1	<1		
779					
0.912 0.5	0.23				
630					
1.3 0.5	0.28				
1125					
<1 <1	0.4	32<1	<1		
1.43 0.5	0.43				
1601					
1.83 0.7	0.51				
1 3	0.6	41<5	<5		
1824					
2.36 0.7	0.45				
1870					
2<1		45<5	<5		
3113					
2.87 <0.5	0.59				
2070					

3.3	0.6	0.7		
2360				
3.4	0.9	0.69		
2.92	1.6	0.76		
2623				
2<1			38<5	<5
1463				
1.3	<0.5	<0.20		
732				
2<1			35<5	<5
1208				
1.7	0.42	0.42		
1140				
2<1			49<5	<5
1797				
2.3	0.5	0.46		
1740				
2.8	0.7	0.49		
2<1			49<1	<1
2077				
2309				
2.6				
3	1	0.6	70<5	<5
1.9				
2.3				
3	1	0.7	44<5	<5
3.34	1.3	0.6		
1.5				
2	2	0.7	38<5	<5
0.4				
0.4				
1.01	<0.5	0.3		
<.1				
0.943	<0.5	0.3		
0.3				
1.83	<0.5	0.4		
0.4				
2<1		0.5	42<5	<5
2.39	<0.5	0.5		
0.4				
2.34	0.6	0.4		
1.8				
3<1		0.6	40<5	<5
1.9				

K_TOT_MCK_DIS_MGSO4_MG BI_TOT BI_DIS GA_TOT GA_DIS MO_TOT MO_DIS SN_TOT

0.6	0.6	87	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

0.5	-9	39	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	-9	-9	-9	-9	-9	-9	-9	-9	-9

-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
-9	2.9	110	-9	-9	-9	-9	-9	-9	-9

-9 -9 -9 -9 -9 -9 -9 -9 -9 -9

-9 -9 -9 -9 -9 -9 -9 -9 -9 -9

0.35 0 104 -9 -9 -9 -9 -9 -9 -9

0.8 0.75 136 -9 -9 -9 -9 -9 -9 -9

0.28	-9	30	-9	-9	-9	-9	-9	-9	-9	-9
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0.7	-9	80	-9	-9	-9	-9	-9	-9	-9	-9
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0.8	-9	137	-9	-9	-9	-9	-9	-9	-9	-9
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1.1	-9	130	-9	-9	-9	-9	-9	-9	-9	-9
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0.6	-9	29	-9	-9	-9	-9	-9	-9	-9	-9
-----	----	----	----	----	----	----	----	----	----	----

-9.00	-9.00	57.60	-9.000	-9.000	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
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0.6	63									
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0.7 -9.0	-9.0	100.0 98.8	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
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0	86.2									
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-9.0	-9.0	94.7	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
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-9.0	-9.0	119.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
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-9.0	-9.0	116.0 131.0	-9.0	-9.0	-9.0	-9.0	<10	10.3	-9.0	-9.0
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0.7	-9.0	140.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		82.6					<10	<10	
		155.0					<10	13.1	
-9.0	-9.0	149.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		141.0					<10	<10	
0.9		150.0							
		116.0					<10	<10	
-9.0	-9.0	148.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		92.0					<10	<10	
-1		69							
		45.6					<10	<10	
		39.9					<10	<10	
		51.7					<10	<10	
		27.6					<10	<10	
-9.0	-9.0	44.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		36.0					<10	<10	
		32.0					<10	<10	
		32.6					<10	<10	
		31.1					<10	<10	
-1		40							
		34.1					<10	<10	
		39.8					<10	<10	
		50.5					<10	<10	
-9.0	-9.0	52.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
0.6		98							
		55.7					<10	<10	
-9.0	-9.0	76.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
		75.3					<10	11.4	
0.8		95							
		110.0					16.2	14.5	
-9.0	-9.0	107.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0

	0.76	130.0					<10	28.8
1.8		140						
-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
	0.76	150.2					<10	20.1
0.9		160						
0.73	0.76	286.0					<10	23.5
		149						
0.77	0.75	135.0					<10	43.0
0.53	0.57	75.0					<10	17.5
0.5		78						
0.47	0.43	36.0					<10	<10
0.46	0.45	31.0					18.4	<10
0.43	0.43	43.0					<10	<10
		40						
0.37	0.36	32.0					<10	<10
-1.00	-9.00	34.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0
0.37	0.36	37.0					<10	<10
0.43	0.50	59.0					<10	<10
		63						
0.90	BDL	73.4						
	-9.00	99.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0
0.63	0.63	108.0					<10	<10
		101						
0.6		110						
		125						
0.90	-9.00	150.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.0
0.9		150					0.0	<10
		176						
1.40	-9.00	150.00	-9.00	-9.00	-9.00	-9.00	-9.0	-9.00

		133									
0.90	-9.00	120.00	-9.00	-9.00	-9.00	-9.00	-9.00	0.0	<10	-9.0	-9.00
		30									
	BDL	25									
		35									
	0.6	39									
	0.6	39									
	0.6	62							16.000		
		94									
	1	110									
1		137									
		170									
		158									
0.6		190									
0.5		165									
		52									
		37									
<.5		80									
		99									
0.8		110									
		126									
0.7		120									
		139									
0.8		180									
		147									
	<.9	150									
		146									
<1.5		51									
		32									
<1.5		45									
		73									
<1.5		95									
		131									
0.66	0.81	290						<.003	<.003		
		184									
<1.5		230									
0.6		150									
		121									
		66									
0.2		54.7									
0.7		105									

118

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112

1.2 136

157

<1 154

175

1.79 76.1

<1 57.4

6.46

<1 140

<1 164

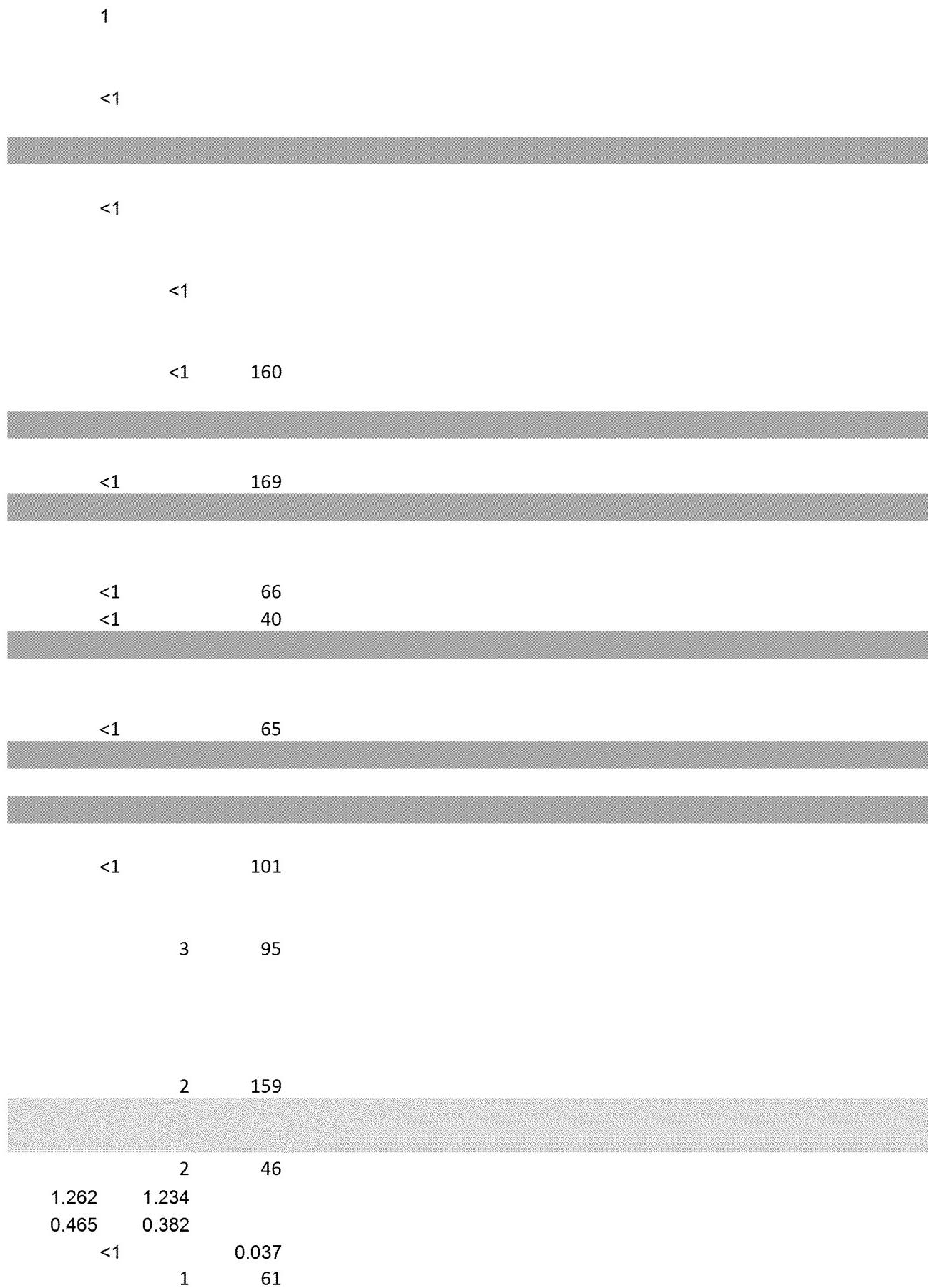
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0.667 0.672

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0.759	0.733	
<1		150
1599	0.919	
<1		164
0.982	0.922	
<1		69
0.641	0.629	
0.764	0.475	
<1		44
0.462	0.578	
0.505	0.48	
<1		100
0.57	0.6	
0.68	0.609	
<1		
0.682	0.687	
0.614	0.598	
<1		161
0.756	0.683	
0.615	0.605	
<1		33
1174	0.705	
<1		29.4
0.441	0.403	
<1		45.5
426	451	
<1		46
<1		58.6
0.615	0.575	
<1		107
<1		112
0.816	0.784	
<1		112
0.661	0.607	
<1		132
3.237	0.821	
<1		141
0.621	0.547	

	<1	167
0.775	0.686	
	<1	153
	<1	130
0.716	0.649	
	<1	70
0.615	0.509	
	<1	32.5
0.513	0.432	
	<1	67
0.453	0.482	
	<1	70.6
0.57	0.516	
	1	100
0.679	0.725	
	<1	101
0.62	0.588	
	<1	109
	<1	108
0.572	0.603	
0.681	0.643	
0.9	0.7	
	<1	144
0.6	0.6	
0.8	0.8	
	<1	167
	<1	129
0.6	0.7	
	<1	126
0.6	0.6	
0.4	0.4	
	<1	31.1
0.3	0.3	
	<1	39
0.5	0.3	
	<1	75.4
0.5	0.4	
	<1	102
	<1	105
0.5	0.4	
	<1	103
0.6	0.6	
	<1	117
0.6	0.6	

SN_DIS	TI_TOT	TI_DIS	ZR_TOT	ZR_DIS	SiO2_TOT	SiO2_Dis	nSum	CatioSum	AnionSum	Balance
							meq/L	meq/L	meq/L	

-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						

-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						

-9	-9	-9	-9	-9						
-9	-9	-9	-9	-9						

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9 -9 -9 -9 -9

-9.00 -9.00 -9.00 -9.00 -9.00

-9.0 -9.0 -9.0 -9.0 -9.0

-9.0 -9.0 -9.0 -9.0 -9.0

-9.0 -9.0 -9.0 -9.0 -9.0

-9.0 -9.0 -9.0 -9.0 -9.0 7.67 8.65

-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0	-9.0
					8.56	8.76			
					9.52	10.03			
-9.0	-9.0	-9.0	-9.0	-9.0		8.15	9.05		
					8.21	7.97			
-9.0	-9.0	-9.0	-9.0	-9.0					
					7.27	7.99			
						6.79	5.84		
						5.27	5.62		
						5.80	6.09		
-9.0	-9.0	-9.0	-9.0	-9.0		5.65	4.62		
						5.27	5.78		
						5.18	5.55		
					5.12	4.89			
					4.26	5.51			
					4.40	4.80			
						4.34	5.17		
						4.83	5.78		
-9.0	-9.0	-9.0	-9.0	-9.0					
-9.0	-9.0	-9.0	-9.0	-9.0		5.84	6.03		
						5.86	5.37		
-9.0	-9.0	-9.0	-9.0	-9.0		6.77	6.72		

					7.66	7.89				
-9.0	-9.0	-9.0	-9.0	-9.0	8.70	8.39				
					8.17	7.60				
					9.34	8.36				
					6.97	6.67				
					5.94	4.73				
					5.92	4.26				
					4.98	5.13				
					3.990	4.14				
-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
					4.090	4.39				
					5.37	5.32				
					7.34					
-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
					7.55	7.34				
-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
						8.261				
-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00	-9.00

-9.00 -9.00 -9.00 -9.00 -9.00 -9.00 7.875
-9.00 -9.00 -9.00 -9.00

4.38

2.3
2.3
5.445
2.5

3.6

3.96 3.59 4.78

3.97 3.95 0.28

2.62 2.63 -0.2

2.02 1.82 5.12

3.77 3.71

4.22 4.05

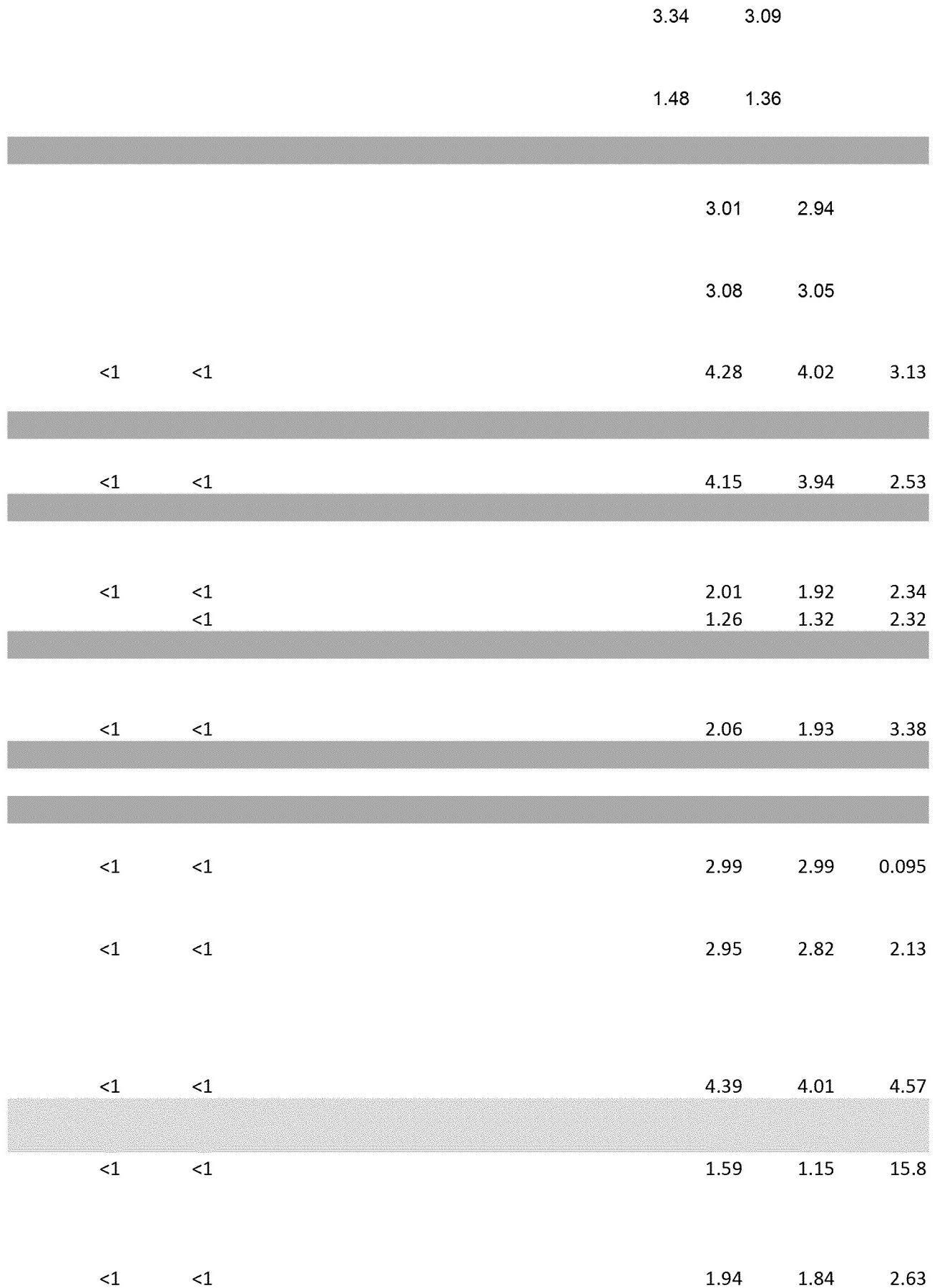
198 199

2.72 1.85

3.51 3.51

3.36 3.21

4.43 4.17



<100	<100		2.79	2.94	2.49
<1	<1		2.87	3.04	2.81
<1	<1		4.01	3.86	1.95
<1	<1		4.39	4.16	2.77
<1	<1		2.27	2.06	4.84
<1	<1		1.4	1.39	0.428
<1	<1		2.86	2.77	1.55
<1	<1		4.15	3.94	2.58
			7.7	3.97	4.06 -1.16%
			4.5	1.02	1.14 -5.63%
			5.4	1.46	1.52 -1.89
			8.4	2.96	3.13 -2.81%
<1	<1		3.31	3.51	-2.86

<1	<1		2.03	2.1	-1.68
<1	<1		1.93	2.01	-2.12
<1	<1		2.68	2.92	-4.27
<1	<1		2.84	3.09	-4.19
1 <1			3.65	4.23	-7.37
<1	<1		4.28	4.28	-0.0275
<1	<1		3.3	3.35	-7.67
<1	<1		2.64	2.87	-4.06
<1	<1		3.11	3.14	-0.514

Sampler	Well Depth feet	Water level feet	Casing abv. Grd.	water column	DOC	TOC
---------	--------------------	---------------------	---------------------	-----------------	-----	-----

Silverton Sch

Silverton Sch

Silverton Sch

Silverton Sch

Phil Alcon

Silverton Sch

GN

Silverton Sch

Silverton Sch

GN

Phil Alcon

GN

Silverton Sch

Phil Alcon

Silverton Sch

GN

Phil Alcon

GN EN

Phil Alcon

GN EN

Phil Alcon

GN EN

Phil Alcon

Phil Alcon

GN EN

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Phil Alcon

Silverton Sch

Phil Alcon

Silverton Sch

GN EN

Silverton Sch

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GN EN

Silverton Sch

Phil Alcon

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Silverton Sch

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Phil Alcon

Silverton Sch

GN

Silverton Sch

Silverton Sch

Phil Alcon

Silverton Sch

Phil Alcon

Silverton Sch

Phil Alcon

Silverton Sch

Phil Alcon



1.16



0.504



0.7

Phil Alcon

0.78 0.81

0.67 0.59

Phil Alcon

<0.50 <0.50

0.54 <0.50

Phil Alcon

<0.50 <0.50

Alcon

Alcon

Alcon

Alcon

Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

Phil Alcon

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]





[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]





A68

DATE HARD_MGCA_DIS_MMG_DIS_MG
as CaCO₃=

09/05/91	121	-9.0	-9.0
09/06/91	97	-9.0	-9.0
09/07/91	87	-9.0	-9.0
09/09/91	77	-9.0	-9.0
09/10/91	86	-9.0	-9.0
12/08/91	180		
01/15/92	184		
02/13/92	192		
03/05/92	188		
03/16/92	208		
04/13/92	20		
04/20/92	64		
04/30/92	102		
05/05/92	72		
05/11/92	80		
05/18/92	72		
05/26/92	62		
06/01/92	74		
06/08/92	68		
06/15/92	54		
06/22/92	58		
06/23/92	57	-9.0	-9.0
06/24/92	55	-9.0	-9.0
06/25/92	58	-9.0	-9.0
07/14/92	80		
07/21/92	96		
07/27/92	90		
08/10/92	112		
08/24/92	-9		
9/15/1992			
09/16/92	136		
10/14/92	154		
10/14/92	152	-9.0	-9.0
10/15/92	152	-9.0	-9.0
11/18/92	154		
12/16/92	36		
01/13/93	38		
02/17/93	180		
03/10/93	180		
03/31/93	200		

Jan.	Feb	Mar	Apr	May
Hardness	Hardness	Hardness	Hardness	Hardness
184	192	188	20	72
38	180	208	64	80
20	52	180	102	72
72		200	36	62
		200	200	128
		180	130	78
		228	182	72
		40	84	90
			58	68
			16	80
				80
				40
				106
				60
				46
				82

COLOR CODE:

1991

1992

All red font are averages of same day s

04/14/93	36
04/21/93	200
04/29/93	-9
05/04/93	128
05/12/93	78
05/26/93	72
06/02/93	58
06/09/93	-9
06/16/93	56
06/23/93	48
07/14/93	66
07/20/93	71
	-9.0
	-9.0
07/21/93	72
07/21/93	70
	-9.0
	-9.0
07/28/93	78
08/11/93	84
08/25/93	108
09/15/93	148
10/13/93	150
11/17/93	162
12/15/93	174
01/12/94	20
03/16/94	-9
03/30/94	200
4/13/1994	-9
04/20/94	-9
04/27/94	130
05/03/94	90
05/11/94	8
05/18/94	68
5/24/1994	80
06/01/94	48
06/08/94	40
06/15/94	54
06/22/94	50
07/13/94	98
07/20/94	122
07/27/94	104
08/10/94	120
08/24/94	134
09/15/94	104
10/13/94	116
11/09/94	144
11/09/94	-9
	0.0
	0.0
12/13/94	200
01/18/95	72
02/15/95	-9

03/01/95	2		
3/15/1995	180		
4/6/1995	182		
4/12/1995	-9		
04/12/95	-9	-9.0	13.0
4/19/1995	84		
05/03/95	-9		
5/10/1995	80		
5/22/1995	40		
05/31/95	-9		
06/07/95	172		
06/14/95	-9		
06/21/95	64		
06/21/95	-9	-9.0	-9.0
06/28/95	58		
07/05/95	160		
7/12/1995	46		
07/19/95	52		
08/02/95	124		
08/16/95	94		
09/06/95	-9	-9.0	-9.0
9/13/1995	104		
10/11/95	124		
11/15/1995	24		
11/29/95	-9	-9.0	-9.0
12/13/1995	366		
02/14/96	52		
03/13/96	228		
03/20/96	40		
4/3/1996	8	Outlier, didn't use	
04/09/96		-9.0	-9.0
04/10/96	58		
04/17/96	16		
05/01/96	106		
05/08/96	60		
05/15/96	46		
05/21/96	-9	-9.0	-9.0
05/29/96	82		
06/05/96	56		
06/12/96	-9		
06/18/96	74.40	-9.0	-9.0
06/19/96	98		
06/26/96	62		
07/03/96	70		
07/10/96	70		
07/16/96			
07/17/96	82		

08/07/96	118		
8/14/1996			
8/14/1996	152.0	-9.0	-9.0
08/21/96	148		
09/18/96	124		
10/01/96	125	46.0	
10/16/96	124		
10/18/1996	130.0	-9.0	-9.0
10/23/1996	128.00		
11/7/1996	152.0	-9.0	-9.0
11/13/1996	160.0		
11/19/96		52.4	2.9
12/13/1996	169.0	-9.0	-9.0
1/7/1997		-9.0	
01/08/97		56.1	3.0
01/30/97		69.2	3.5
2/5/1997	161.0	-9.0	-9.0
02/25/97		60.1	3.2
3/5/1997			
03/12/97	170		
03/19/97	180		
03/25/97		44.8	2.7
04/02/97	168		
4/11/1997	180.0	-9.0	-9.0
04/16/97		-9	
4/16/1997	122.00		
04/29/97		41.9	2.6
04/30/97		-9	
05/07/97			
05/14/97		24.9	1.6
05/21/97	66		
05/21/97		21.6	1.4
05/28/97	140		
05/29/97		27.1	1.7
06/04/97	62		
06/05/97		16.9	1.1
6/10/1997	56.0	-9.0	-9.0
6/11/1997	78.0		
06/11/97		21.8	1.4
06/16/97		20.8	1.4
6/18/1997	40.0		
6/25/1997	98.0		
06/26/97		18.5	1.2
07/01/97		19.2	1.3
7/2/1997	70.0		
07/09/97			
07/15/97		20.7	1.4

7/16/1997	72.0		
07/30/97	23.0	1.6	
08/12/97	27.8	1.9	
8/13/1997	20.0		
8/13/1997	87.0	-9.0	-9.0
09/11/97			
9/11/1997	126.00		
9/17/1997	110.0		
09/25/97	29.1	2.0	
10/8/1997	121.0	-9.0	-9.0
10/15/1997	116.0		
10/22/97	35.6	2.1	
11/12/97			
11/12/1997	220.0		
11/25/97	49.6	2.7	
12/3/1997	163.0	-9.0	-9.0
12/17/1997	184.0		
12/23/97	55.8	3.1	
01/07/98			
2/4/1998	-9.0	-9.0	-9.0
02/12/98	164	60.3	3.3
3/4/1998	224.0		
03/05/98			
03/16/98	156	57.3	3.2
3/18/1998	168.0		
4/1/1998	190.0		
04/08/98	210		
4/15/1998	194.0		
04/23/98	155	56.5	3.3
4/29/1998	118.0		
5/5/1998	134.0		
05/06/98	99	36.2	2.1
05/07/98			
5/13/1998	86.0		
5/20/1998	102.0		
5/27/1998	66.0		
05/29/98	58	20.9	1.3
06/02/98	50	18.3	1.1
6/3/1998	100.0		
06/09/98	67	24.3	1.5
6/10/1998	100		
06/10/98	73	26.4	1.7
6/17/1998	110.0		
6/17/1998	66		
6/24/1998	50.0		
06/24/98	52	18.9	1.2
07/01/98	-9.00	-9.0	-9.0

	Jan.	Feb	Mar	Apr	May
	Hardness	Hardness	Hardness	Hardness	Hardness
01/07/98	173.4	164	224	190	134
2/4/1998	187.9	238	156	210	99
02/12/98	169	168	194	86	
3/4/1998	198	32.0	610	102	
03/05/98	216	197.9	118	66	
03/16/98	188.0	204.0	158	58	
3/18/1998	180	180	96	71.9	
4/1/1998			144	78.2	
04/08/98			181		
4/15/1998			169		
04/23/98					
4/29/1998					
5/5/1998					
05/06/98					
05/07/98					
5/13/1998					
5/20/1998					
5/27/1998					

COLOR CODE:

1998 1999

All red font are averages of same day s
In column B, purple font means a calc

07/09/98	59	21.5	1.4
7/15/1998	52.0		
7/22/1998	90.0		
07/22/98	78	28.5	1.8
08/05/98	104		
8/26/1998	182.0		
9/2/1998	108	39.3	2.4
09/09/98	-9.00	-9.0	-9.0
9/16/1998	130.0		
09/30/98	134	49.0	2.8
10/07/98	135		
11/03/98			
11/18/1998	58.0		
12/02/98	297	109.0	6.1
01/06/99	-9.00	-9.0	-9.0
01/06/99			
02/04/99	238		
02/17/99	169	62.3	3.3
2/24/1999	198.0	-9.0	-9.0
03/03/99	-9.00	-9.0	-9.0
3/17/1999	32.0	-9.0	-9.0
4/1/1999	-9.0	-9.0	-9.0
04/07/99	158		
4/26/1999	96.0	-9.0	-9.0
04/29/99	144	52.4	3.1
05/06/99	-9.00	-9.0	-9.0
06/09/99	53		
6/23/1999	48.9	17.5	1.3
07/07/99	55		
8/4/99	#REF!		
8/4/1999			
08/19/99	86	31.1	2.0
9/1/1999			
9/16/1999	140.0	36.1	2.6
10/06/99	132		
10/14/1999	13.0	22.4	1.7
11/3/99			
11/17/1999	10.0	56.2	3.7
12/01/99	175		
1/5/00	173.4		
02/02/00	216		
2/28/2000	188.0	56.8	3.7
3/1/00	197.9		
3/15/2000	204.0	59.7	3.9
04/05/00	181		
5/3/00	71.9		
06/07/00	56		

7/5/00	103.9		
08/02/00	127		
9/6/00	131.8		
10/04/00	145		
11/1/00	131.8		
12/06/00	155		
1/3/01	187.9		
02/07/01	180		
3/14/01	180	66.0	3.7
04/04/01	169		
5/2/01	78.2		
06/06/01	55		
7/6/01	69.4		
08/01/01	88		
9/5/01	123.9		
10/03/01	159		
11/7/01	160.9	58.0	3.3
12/05/01	187		
1/2/02	217.5		
3/6/02			
04/03/02	135		
05/01/02	90		
6/5/02		4.5	
6/27/2002	120.0	39.8	2.6
7/3/02			
7/17/2002	-9.0	48.5	3.1
08/07/02	142		
8/14/2002	170.0	50.2	3.2
9/4/02		62.2	
9/18/2002	156.0	47.1	3.3
10/02/02	144		
10/25/2002	156.0	50.4	3.4
11/6/02			
11/12/2002	188.0	57.1	3.4
12/04/02	189		
12/8/2002	-9.0	60.2	3.9
1/8/2003	214.0	64.5	3.9
1/9/2003			
2/1/2003	192.0	65.4	4.1
02/05/03	191		
3/9/2003	220.0	64.2	4.0
4/24/2003	170.0	47.4	3.2
5/7/2003	122.0	36.6	2.5
5/7/2003			
6/2/2003	58	0	0
7/2/2003	94.0	29.0	2.2
7/2/2003			

8/14/2003	112.0	38.2	2.9
9/11/2003	156.0	40.9	3.2
9/11/03			
10/4/2003	136.0	44.2	3.0
11/6/03			
12/29/2003	236.0	62.5	3.9
3/3/2004	208.0	64.6	4.0
3/3/04			
4/16/2004	156.0	48.1	3.3
5/5/2004	96.0	31.0	1.8
5/5/04			
5/28/2004	60.0	20.3	1.0
6/17/2004	64.0	21.1	1.4
7/7/2004	84	28.3	1.7
7/7/04			
8/19/2004	136.0	50.9	4.0
9/1/04			
9/15/2004	164	50.2	3.5
10/14/2004	154.0	28.3	1.7
11/10/04	160	52.8	3.4
11/10/04		58.0	4.0
12/08/04	180	55.0	3.7
01/20/05	-9	64.0	3.6
02/15/05	190	63.6	3.9
03/02/2005		72	4
03/13/05	188	61.2	3.8
04/09/05	170	53.3	3.8
05/04/05	144	45.6	3.3
05/04/2005		25	
6/9/2005	70	19.9	1.4
7/6/2005	70	21.3	1.5
07/06/2005		24	2
8/10/05	128	34.515	2.436
9/14/05	140	49.349	3.12
9/14/05	140	49.349	3.12
09/15/2005		50	3
10/13/05	128	41.02	2.83
11/2/05	6	42.82	2.8
11/2/05			
12/20/05	194	58.093	3.63
1/6/06	212	60.759	3.95
01/06/2006		69	4
2/8/06	212	72.535	4.569
3/7/06	203	72.535	4.569
3/15/06		62.001	4.151
03/15/2006		67	4
4/5/06	175	62.001	4.151

4/5/06	40	56.129	3.931
5/10/06		30.66	2.056
05/10/2006		33	2
05/16/2006		21	2
6/6/06	52	56.129	3.931
6/6/06	52	17.502	1.066
7/12/06	94	29.966	2.102
07/12/2006	-9	32	2
8/2/06	116	17.502	1.066
8/2/06	116	34.172	2.235
9/6/06	144	29.966	2.084
9/6/06	144	43.02	2.846
09/06/2006		51	3
10/11/06	86	28.598	1.817
11/1/06	100	40.564	2.689
11/01/2006		48	3
12/5/06	184	52.504	3.38
1/11/07	136	56.984	3.64
2/6/07	166	55.955	3.502
3/7/07	190	58.688	3.626
03/07/2007	196	72	4
4/2/07	143	52.046	3.209
4/2/2007	222	52.046	3.209
05/11/2007	71	25	2
5/11/2007	106	25.401	1.267
6/5/2007	56	17.413	0.842
6/14/07	57	20.2	1.55
07/11/2007	88	32	2
7/11/2007	120	28.789	1.643
8/6/2007	128	29.004	1.618
09/05/2007	128	46.4	2.9
9/5/2007	194	46.791	2.83
10/25/2007	128	42.4	2.512
10/25/2007	168	42.385	2.512
11/07/2007	132	48	3
12/5/2007	236	52.99	3.069
01/02/08	181	66.0	4.0
1/2/2008	170	61.973	3.566
03/12/08	196	72.0	4.0
4/10/2008	164	56.723	5.349
05/07/08	110	39.0	3.0
5/7/2008	104	31.204	2.215
6/3/2008	44	16.605	1.211
07/09/08	68	24.0	2.0
7/9/2008	66	19.389	1.415
8/5/2008	92	29.042	1.977
09/03/08	137	50	3

	Jan.	Feb	Mar	Apr	May
Hardness	Hardness	Hardness	Hardness	Hardness	
136	166	193	143	88	
175	202	196	164	107	
120	200	214	176	110	
190	146	146	48.9		
164	168	168	103		
242					
172					120

COLOR CODE:

2007 **2008**

All red font are averages of same day
In column B, purple font means a calc

9/3/2008	150	41.237	2.629
10/6/2008	162	48.956	3.071
11/07/08	201	74.0	4.0
11/7/2008	202	60.069	3.585
12/3/2008	204	57.084	3.487
3/4/2009	32	70	4 Use calculated hardness of 191
3/4/2009	236	65.234	3.964
4/6/2009	176	52.071	3.285
5/13/2009	22	17	1 Use calculated hardness of 47
5/13/2009	52	18.785	1.373
05/19/09	48.9	17.4	1.32
6/2/2009	60	20.402	1.492
06/16/09	65.4	23.3	1.75
7/8/2009	74	26.306	1.759
7/8/2009	27	26	2 Use calculated hardness of 74
07/14/09	84.8	30.5	2.1
8/12/2009	74	44.659	2.628
08/18/09	135	49.1	3.01
9/16/2009	34	51	4 Use calculated hardness of 144
9/16/2009	124	49.94	4.103
09/22/09	141	51.4	3.14
10/5/2009	126	51.459	3.266
11/4/2009	160	59.0	3.0
11/5/2009	198	50.963	11.603
11/17/09	167	60.7	3.64
12/1/2009	168	58.344	3.352
2/17/2010	202	73.9	4.13
3/2/2010	190	66.658	3.413
03/17/10	179	65.6	3.81
3/17/2010	148	53.6	3.49
4/16/2010	146	61.441	3.802
5/5/2010	96	35.0	2.0
5/5/2010	110	34.162	2.088
06/02/10	50	17.9	1.31
6/2/2010	58	17.536	1.172
7/8/2010	93	34.0	2.0
7/8/2010	92	30.939	2.128
07/13/10	97	34.9	2.31
8/10/2010	110	33.469	2.601
9/9/2010	130	47.0	3.0
9/9/2010	140	46.553	2.81
09/14/10	144	52.4	3.25
10/4/2010	156	48.802	2.71
11/02/10	154	56.3	3.27
11/3/2010	187	50.0	3.0
11/3/2010	180	50.232	2.845
12/7/2010	168	51.269	3.113

1/5/2011	184	63	4
1/5/2011		64.0	4.0
2/11/2011	200	64	4
3/9/2011	216	69	4
3/9/2011		75	5
03/15/11	172	61.9	4.1
4/6/2011	168	55	4
5/4/2011		58	4
5/8/2011	120	38	3
6/3/2011	70	21	1
06/14/11	53	18.7	1.5
7/5/2011	58	20	1
07/19/11	66	23.3	1.8
8/1/2011	94	32	2
08/16/11	111	40	2.7
9/7/2011	154	43	2
9/7/2011		46	3
09/13/11	140	51	3
10/7/2011	160	45	3
10/18/11	138	50.2	3.1
11/2/2011	164	48.8	3.1
11/2/2011		54	3
12/7/2011	180	57.8	3.1
	125	46.0	2.5

June	July	Aug	Sept	Oct	Nov	Dec
Hardness						
74	80	112	121	180	154	36
68	96	84	97	152	162	174
54	90	108	87	153	144	200
58	66	120	77	150	24	366
57	71	134	86	116		
55	71	124	136	124		
58	78	94	148			
58	98		104			
56	122		104			
48	104					
48	160					
40	46					
54	52					
50						
172						
64						
58						
56						
74.40						
98						
62						

Ave. Hardness
1991 - mid 1996

1993	1994	1995	1996
amples			

June	July	Aug	Sept	Oct	Nov	Dec
Hardness						
50	59	104	108	135	58.0	297
100.0	52.0	182.0	130	145	156	175
67	84	66	134	159	131.8	155
87	55	127	140.0			187
88	103.9	88	131.8			
51	69.4					
53						
48.9						
56						
55						

Ave. Hardness
1998 - 2001

2000 2001
amples
ulated hardness.

June	July	Aug	Sept	Oct	Nov	Dec
Hardness						
56	104	128	161	148	132	236
57	67	92	144	162	202	204
44		74		126	160	168
60	84.8	135	141	156	168	
65.4	93	110	135	160	167	180
54	97	94	144	138	154	
70	58	111	141		159	
53	66		140		136	

Ave. Hardness
2007 - 2011

2009 2010 2011

amples
ulated hardness.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
79	141	178	89	76	65	87	111	107	146

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
181	193	166	207	87	66	71	117	129	146

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
164	189	192	159	97	57	80	106	142	148

Nov Dec

121 194

Nov Dec

115 204

<u>Nov</u>	<u>Dec</u>
166	191

DATE	PH	Jan. pH	Feb. pH	Mar. pH	Apr. pH	May pH	June pH	July pH	Aug pH
09/05/91	7.91	7.41	7.34	7.41	7.39	7.43	7.44	7.68	7.66
09/06/91	7.8	7.15	7.3	7.29	7.50	7.40	7.51	7.50	7.03
09/07/91	7.66	7.31	6.63	7.52	8.00	7.38	7.70	7.52	7.55
09/09/91	7.53	7.31	7.21	7.05	7.21	7.23	7.49	7.4	8.1
09/10/91	7.77			7.16	6.94	7.16	7.30	7.7	7.42
12/08/91	7.9			7.25	7.3	7.5	7.50	6.96	7.57
01/15/92	7.41			7.31	7.34	7.21	7.60	7.4	7.52
02/13/92	7.34			7.17	7.01	7.27	8.41	7.72	7.53
03/05/92	7.41			6.44	7.2	7.17	7.2	7.59	
03/16/92	7.29			7.94	6.91	7.47	7.28	7.58	
04/13/92	7.39				7.45	7.45	7.39	7.09	
04/20/92	7.5				7.13	7.12	7.48	7.03	
04/30/92	8				6.94	7.25	7.59	7.29	
05/05/92	7.43				7.23	7.75	7.56		
05/11/92	7.4				6.8	7.3	7.43		
05/18/92	7.38				7.6	7.29	7.46		
05/26/92	7.23					7.26	7.25		
06/01/92	7.44					7.11	7.26		
06/08/92	7.51					6.92	7.18		
06/15/92	7.7					6.03	7.13		
06/22/92	7.49						7.45		
06/23/92	7.3						6.96		
06/24/92	7.5						6.59		
06/25/92	7.6						7.37		
07/14/92	7.68								
07/21/92	7.5								
07/27/92	7.52								
08/10/92	7.66								
08/24/92	7.03								
9/15/1992	7.61								
09/16/92	7.41								
10/14/92	7.63								
10/14/92	6.3								
10/15/92	6.5								
11/18/92	7.46								
12/16/92	7.21								
01/13/93	7.15								
02/17/93	7.3								
03/10/93	7.52								
03/31/93	7.05								
04/14/93	7.21								

COLOR CODE: 1991 1992 1993 1994 1995

All red font are averages of same day samples

04/21/93	6.94
04/29/93	7.3
05/04/93	7.16
05/12/93	7.5
05/26/93	7.21
06/02/93	8.41
06/09/93	7.2
06/16/93	7.28
06/23/93	7.39
07/14/93	7.4
07/20/93	7.7
07/21/93	7.37
07/21/93	6.55
07/28/93	7.4
08/11/93	7.55
08/25/93	8.1
09/15/93	8.2
10/13/93	7.67
11/17/93	7.38
12/15/93	7.13
01/12/94	7.31
03/16/94	7.16
03/30/94	7.25
4/13/1994	7.34
04/20/94	7.01
04/27/94	7.2
05/03/94	7.27
05/11/94	7.17
05/18/94	7.47
5/24/1994	7.45
06/01/94	7.48
06/08/94	7.59
06/15/94	7.56
06/22/94	7.43
07/13/94	7.72
07/20/94	7.59
07/27/94	7.58
08/10/94	7.42
08/24/94	7.57
09/15/94	7.68
10/13/94	7.9
11/09/94	7.18
11/09/94	6.55
12/13/94	7.22
01/18/95	7.31
02/15/95	6.63
03/01/95	7.31

3/15/1995	7.17
4/6/1995	6.91
4/12/1995	7.1
04/12/95	7.8
4/19/1995	7.13
05/03/95	7.12
5/10/1995	7.25
5/22/1995	7.75
05/31/95	7.3
06/07/95	7.46
06/14/95	7.25
06/21/95	7.16
06/21/95	7.35
06/28/95	7.18
07/05/95	7.09
7/12/1995	7.03
07/19/95	7.29
08/02/95	7.52
08/16/95	7.53
09/06/95	7.55
9/13/1995	7.34
10/11/95	7.31
11/15/1995	7.51
11/29/95	7.19
12/13/1995	7.49
02/14/96	7.21
03/13/96	6.44
03/20/96	7.94
4/3/1996	6.94
04/09/96	7.23
04/10/96	6.8
04/17/96	7.6
05/01/96	7.29
05/08/96	7.26
05/15/96	7.11
05/21/96	6.92
05/29/96	6.03
06/05/96	7.13
06/12/96	7.45
06/18/96	6.96
06/19/96	6.59
06/26/96	7.37
07/03/96	7.63
07/10/96	7.36
07/16/96	5.15
07/17/96	7.53
08/07/96	7.12

8/14/1996	7.5
8/14/1996	7.1
08/21/96	6.96
09/18/96	7.47
10/01/96	8.35
10/16/96	7.07
10/18/1996	7.4
10/23/1996	7.68
11/7/1996	7.6
11/13/1996	7.0
11/19/96	7.54
12/13/1996	6.7
1/7/1997	6.2
01/08/97	6.67
01/30/97	6.48
2/5/1997	6.8
02/25/97	6.90
3/5/1997	7.6
03/12/97	7.25
03/19/97	6.92
03/25/97	6.42
04/02/97	7.12
4/11/1997	7.4
04/16/97	7.02
4/16/1997	7.65
04/29/97	6.14
04/30/97	7.06
05/07/97	7.35
05/14/97	7.15
05/21/97	7.21
05/21/97	6.10
05/28/97	7.37
05/29/97	6.45
06/04/97	7.18
06/05/97	6.09
6/10/1997	6.6
6/11/1997	7.3
06/11/97	6.95
06/16/97	6.85
6/18/1997	7.71
6/25/1997	7.30
06/26/97	6.65
07/01/97	6.69
7/2/1997	7.36
07/09/97	7.33
07/15/97	6.70
7/16/1997	7.58

07/30/97	6.79
08/12/97	6.64
8/13/1997	7.24
8/13/1997	6.1
09/11/97	6.7
9/11/1997	7.58
9/17/1997	7.66
09/25/97	6.83
10/8/1997	6.8
10/15/1997	7.6
10/22/97	6.42
11/12/97	7.57
11/12/1997	7.62
11/25/97	6.48
12/3/1997	6.7
12/17/1997	7.8
12/23/97	5.80
01/07/98	7.41
2/4/1998	7.2
02/12/98	5.96
3/4/1998	7.2
03/05/98	7.38
03/16/98	7.40
3/18/1998	-9.00
4/1/1998	-9.00
04/08/98	6.61
4/15/1998	6.32
04/23/98	6.54
4/29/1998	7.19
5/5/1998	7.15
05/06/98	6.98
05/07/98	6.95
5/13/1998	6.80
5/20/1998	6.96
5/27/1998	7.16
05/29/98	6.81
06/02/98	6.56
6/3/1998	6.57
06/09/98	6.60
6/10/1998	6.57
06/10/98	6.9
6/17/1998	7.01
6/17/1998	6.45
6/24/1998	5.88
06/24/98	6.86
07/01/98	7.29
07/09/98	7.00

	Jan.	Feb	Mar	Apr	May	June	July	Aug
	pH							
	7.41	7.23	7.15	6.61	7.15	6.56	7.29	6.1
	7.08	5.96	7.38	6.32	6.98	6.57	7.00	5.76
	7	6.69	7.40	6.54	6.95	6.60	6.18	7.37
	7.1	7.13	7.07	7.19	6.80	6.74	6.57	7.05
		7.40	7.15	7.14	6.96	6.73	5.95	7.12
		6.1	6.29	7.34	7.16	6.37	7.27	7.06
		6.97	7	7.34	6.81	6.94	7.2	
		6.28		6.90	6.81	7.25		
				6.63	6.45	6.4		
				6.31	6.75	6.44		

COLOR CODE: 1998 1999 2000 2001

All red font are averages of same day samples

7/15/1998	6.18
7/22/1998	6.19
07/22/98	6.95
08/05/98	6.1
8/26/1998	5.76
9/2/1998	6.89
09/09/98	7.60
9/16/1998	5.83
09/30/98	7.27
10/07/98	7.65
11/03/98	7.21
11/18/1998	6.73
12/02/98	6.63
01/06/99	7.40
01/06/99	6.75
02/04/99	6.69
02/17/99	7.13
2/24/1999	7.40
03/03/99	7.07
3/17/1999	7.15
4/1/1999	7.14
04/07/99	7.34
4/26/1999	7.34
04/29/99	6.90
05/06/99	6.81
06/09/99	6.94
6/23/1999	7.25
07/07/99	5.95
8/4/99	7.37
8/4/1999	7.37
08/19/99	7.05
9/1/99	7.11
9/16/1999	7.23
10/06/99	6.87
10/14/1999	7.23
11/3/99	7.11
11/17/1999	8.14
12/01/99	6.05
1/5/00	7
02/02/00	6.1
2/28/2000	6.97
3/1/00	6.29
3/15/2000	-9.00
04/05/00	6.63
5/3/00	6.45
06/07/00	6.4
7/5/00	7.27

08/02/00	7.12
9/6/00	6.64
10/04/00	6.69
11/1/00	6.7
12/06/00	6.51
1/3/01	7.1
02/07/01	6.28
3/14/01	7
04/04/01	6.31
5/2/01	6.75
06/06/01	6.44
7/6/01	7.2
08/01/01	7.06
9/5/01	7.7
10/03/01	7.14
11/7/01	7.28
12/05/01	6.4
1/2/02	7.06
3/6/02	6.8
04/03/02	6.09
05/01/02	6.26
6/5/02	7.46
6/27/2002	7.66
7/3/02	7.58
7/17/2002	7.42
08/07/02	6.66
8/14/2002	7.46
9/4/02	7.67
9/18/2002	7.76
10/02/02	6.23
10/25/2002	7.56
11/6/02	7.1
11/12/2002	7.79
12/04/02	7.03
12/8/2002	7.42
1/8/2003	7.56
1/9/2003	7
2/1/2003	7.54
02/05/03	5.94
3/9/2003	7.39
4/24/2003	7.70
5/7/2003	7.67
5/7/2003	7.3
6/2/2003	7.37
7/2/2003	7.55
7/2/2003	7.2
8/14/2003	7.70

9/11/2003	7.65
9/11/03	7
10/4/2003	7.68
11/6/03	7.3
12/29/2003	7.28
3/3/2004	7.30
3/3/04	7.3
4/16/2004	7.26
5/5/2004	7.00
5/5/04	7
5/28/2004	7.88
6/17/2004	7.58
7/7/2004	7.02
7/7/04	7.02
8/19/2004	7.57
9/1/04	7.25
9/15/2004	7.68
10/14/2004	7.66
11/10/04	7.26
11/10/04	7.14
12/08/04	7.49
01/20/05	7.23
02/15/05	7.06
03/02/2005	
03/13/05	7.16
04/09/05	7.31
05/04/05	6.9
05/04/2005	
6/9/2005	7.23
7/6/2005	7.33
07/06/2005	
8/10/05	7.68
9/14/05	5.88
9/14/05	7.15
9/15/2005	
10/13/05	8.18
11/2/05	7.22
11/2/05	7.76
12/20/05	7.3
1/6/06	7.11
01/06/2006	7.11
2/8/06	6.9
3/7/06	7.15
3/15/06	6.3
03/15/2006	6.3
4/5/06	7.24
4/5/06	7.24

5/10/06	6.41
05/10/2006	6.41
05/16/2006	6.37
6/6/06	7.05
6/6/06	7.05
7/12/06	7.74
07/12/2006	6.7
8/2/06	7.44
8/2/06	7.44
9/6/06	7.74
9/6/06	7.74
09/06/2006	6.3
10/11/06	7.49
11/1/06	7.42
11/01/2006	6.9
12/5/06	7.23
1/11/07	7.15
2/6/07	7.42
3/7/07	6.73
03/07/2007	6.73
4/2/07	6.58
4/2/2007	5.43
05/11/2007	6.59
5/11/2007	6.77
6/5/2007	7.13
6/14/07	7.6
07/11/2007	7.1
7/11/2007	7.02
8/6/2007	7.4
09/05/2007	7.15
9/5/2007	6.53
10/25/2007	7.11
10/25/2007	6.25
11/07/2007	7.03
12/5/2007	5.91
01/02/08	6.83
1/2/2008	
03/12/08	6.8
4/10/2008	
05/07/08	6.83
5/7/2008	6.83
6/3/2008	7.38
07/09/08	7.63
7/9/2008	7.6
8/5/2008	7.55
09/03/08	8.03
9/3/2008	8.03

	Jan.	Feb	Mar	Apr	May	June	July	Aug
pH								
7.15	7.42	6.73	6.58	6.68	7.13	7.06	7.4	
6.83	6.74	6.8	7.3	6.83	7.6	7.62	7.55	
6.87	7.7	7.43	6.85	7.59	7.38	7.71	7.46	
			7.95	7.83	7.15	7.48	7.61	7.18
			6.82	8.11	6.67	7.51	6.75	7.59
			6.79		7.1	7.39	6.92	7.7
			7.18		7.71	6.96	7.93	7.20
						7.28	7.42	

2007 2008 2009 2010 2011

All red font are averages of same day samples

10/6/2008	7.78
11/07/08	6.18
11/7/2008	6.12
12/3/2008	7.47
3/4/2009	7.45
3/4/2009	7.45
4/6/2009	7.3
5/13/2009	7.87
5/13/2009	7.26
05/19/09	7.15
6/2/2009	7.48
06/16/09	7.51
7/8/2009	7.46
7/8/2009	7.96
07/14/09	7.61
8/12/2009	7.46
08/18/09	7.18
9/16/2009	8.32
9/16/2009	7.85
09/22/09	7.21
10/5/2009	7.03
11/4/2009	7.23
11/5/2009	7.21
11/17/09	6.52
12/1/2009	7.25
02/17/10	6.74
3/2/2010	7.95
03/17/10	6.82
4/13/2010	6.85
4/16/2010	7.83
5/5/2010	6.9
5/5/2010	6.43
06/02/10	6.98
6/2/2010	7.8
7/8/2010	6.75
7/8/2010	6.75
07/13/10	6.92
8/10/2010	7.59
9/9/2010	7.09
9/9/2010	7.09
09/14/10	7.52
10/4/2010	6.67
11/02/10	7.26
11/2/2010	7.26
11/3/2010	7.4
12/7/2010	8.14
1/5/2011	6.87

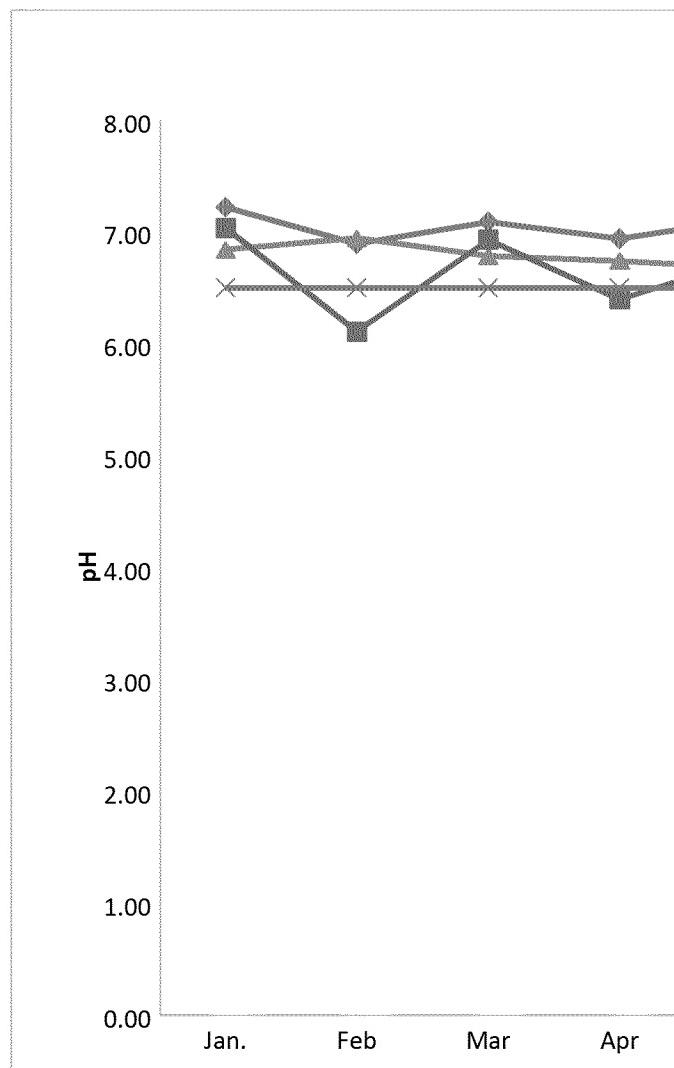
1/5/2011	6.87
2/11/2011	7.7
3/9/2011	6.79
3/9/2011	6.79
03/15/11	7.18
4/6/2011	8.11
5/4/2011	7.1
5/8/2011	7.71
6/3/2011	6.96
06/14/11	7.28
7/5/2011	7.93
07/19/11	7.42
8/1/2011	7.7
08/16/11	7.20
9/7/2011	7.96
9/7/2011	7.22
09/13/11	7.39
10/7/2011	7.48
10/18/11	6.87
11/2/2011	6.91
11/2/2011	7
12/7/2011	8.14

8.35

Sept	Oct	Nov	Dec
pH	pH	pH	pH
7.91	6.97	7.46	7.90
7.80	6.5	7.38	7.21
7.66	7.67	6.87	7.13
7.53	7.9	7.51	7.22
7.77	7.31	7.19	7.49
7.61			
7.41			
8.2			
7.68			
7.55			
7.34			

1996

	Jan.	Feb	Mar	Apr
Ave. pH 1991-mid 1996	7.30	7.12	7.25	7.25
15th pH 1991-mid 1996	7.22	6.89	7.09	6.94
Table Value Std	6.50	6.50	6.50	6.50



Sept	Oct	Nov	Dec
pH	pH	pH	pH
6.89	7.65	7.21	6.63
7.60	6.87	6.73	6.05
5.83	7.23	7.11	6.51
7.27	6.69	8.14	6.4
7.11	7.14	6.7	
7.23		7.28	
6.64			
7.7			

Ave. pH 1998-2001
15th pH 1998-2001
Table Value Std

Jan.	Feb	Mar	Apr
7.15	6.72	7.06	6.83
7.03	6.11	6.93	6.40
6.50	6.50	6.50	6.50

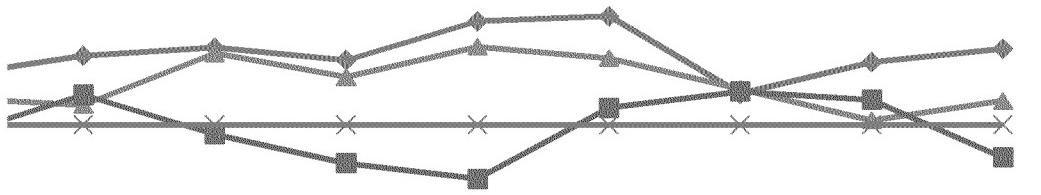
Sept	Oct	Nov	Dec
pH	pH	pH	pH
6.84	7.11	7.03	5.91
8.03	7.78	6.15	7.47
7.93	7.03	7.23	7.25
7.21	6.67	7.21	8.14
7.09	7.48	6.52	8.14
7.52	6.87	7.26	
7.39		7.4	

Ave. pH 2007-2011
15th pH 2007-2011
Table Value Std

	Jan.	Feb	Mar	Apr
Ave. pH 2007-2011	6.95	7.29	7.10	7.33
15th pH 2007-2011	6.84	6.94	6.78	6.74
Table Value Std	6.50	6.50	6.50	6.50

May	June	July	Aug	Sept	Oct	Nov	Dec
7.24	7.40	7.42	7.55	7.68	7.27	7.28	7.39
7.12	7.19	7.08	7.43	7.47	6.78	7.06	7.18
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50

pH at A68



—◆— 15th pH 1991-mid 1996
 —▲— 15th pH 2007-2011
 —■— 15th pH 1998-2001
 —×— Table Value Std

May	June	July	Aug	Sept	Oct	Nov	Dec
-----	------	------	-----	------	-----	-----	-----

May	June	July	Aug	Sept	Oct	Nov	Dec
6.88	6.66	6.78	6.74	7.03	7.12	7.20	6.40
6.77	6.41	6.16	6.02	6.65	6.80	6.72	6.21
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50

May	June	July	Aug	Sept	Oct	Nov	Dec
7.10	7.34	7.38	7.44	7.47	7.16	6.97	7.38
6.68	7.14	6.93	7.20	7.10	6.82	6.54	6.71
6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50

YEAR	mean in cfs (Calculation Period: 1991-10-01 -> 2011-09-30)						
	Jan	Feb	Mar	Apr	May	Jun	Jul
1991							
1992	13.8	15.7	18.6	66.4	304.2	403	195.9
1993	16.3	16.5	21.6	39.6	383.1	618	328.4
1994							
1995	33.8	36.1	43.3	50	146.8	783.2	734.5
1996	30.1	31.8	30.3	69.4	453.6	428.3	122.3
1997	30.7	30.1	42.5	67.9	310	794	385.1
1998	33.7	25.9	29.9	43.4	250	443	272.6
1999	24.8	23.9	27.7	53.9	233.9	694.7	362.9
2000	22.3	17.1	20.3	92.9	412.5	348	76.9
2001	29.5	21.5	24.9	83.6	406	483.4	169.9
2002	20.4	18.6	23.9	77.1	178.9	128.1	30.5
2003	19.6	17.2	19.3	57	351.1	354.6	89.1
2004	14.4	16.1	44	72.7	351	428.4	142.1
2005	31.7	30.7	35.5	80.4	430.7	538.2	262.7
2006	30.9	30.5	43.1	101.2	398.8	384.4	135.8
2007	24.7	21.9	52.3	78.4	357.2	545.3	178.3
2008	33.6	33.2	32.7	69.8	274.4	716.9	355
2009	27.4	21.1	41.9	121.4	624.6	394.2	157.8
2010	30.1	28.1	32.4	91.9	370.2	453.4	94.2
2011	25.8	21.6	21.4	53	155.5	715.5	364.8
Mean of monthly Discharge	26	24	32	72	336	508	235

Ave 2007-2011 28.3 25.2 36.1 82.9 356.4 565.1 230.0
Ave 1991 - mid 1996 23.5 25.0 28.5 56.4 321.9 558.1 419.6
Ave 1998 - 2001 27.6 22.1 25.7 68.5 325.6 492.3 220.6

Period: 1991-10-01 -> 2011-09-30)

Aug	Sep	Oct	Nov	Dec
		33.4	27	18.9
84.5	55.8	33.4	27	19.3
125.5	89.8			
		73.8	44.8	35.7
252.8	87.4	51.7	35.1	27.5
44.4	53	83.5	45.4	35.6
182.3	126.5	136.4	64.9	41.4
80.4	58.8	61.3	49.1	34.2
222.7	131.1	48.9	22.7	28.6
65.3	77	61.3	40.6	31.6
94.1	42.2	30.4	21.2	20.4
28	54.1	55	32.4	22.2
58.5	100.9	41.9	25.2	17.3
46.5	94.9	67.5	37.5	32.9
92.1	47	111.4	41.6	30.2
113.5	80.6	189.6	53	31.8
128.8	99.8	97	41.4	32.7
100.7	54	32.7	24.2	21.5
47.5	40.8	31.8	25.2	26.4
98.1	48.4	43.4	36.8	26.4
93.2	51.9			
103	73	68	37	28

93.7	59.0	51.2	31.9	26.8
154.3	77.7	48.1	33.5	25.4
115.6	77.3	50.5	33.4	28.7

DATE	ZN_DIS ug/l
09/05/91	290.00
09/06/91	350.00
09/07/91	450.00
09/09/91	290.00
09/10/91	370.00
12/08/91	540.00
01/15/92	519.00
02/13/92	461.00
03/05/92	453.00
03/16/92	290.00
04/13/92	557.00
04/20/92	557.00
04/30/92	458.00
05/05/92	450.00
05/11/92	250.00
05/18/92	406.00
05/26/92	277.00
06/01/92	320.00
06/08/92	352.00
06/15/92	322.00
06/22/92	325.00
06/23/92	287.00
06/24/92	300.00
06/25/92	332.00
07/14/92	300.00
07/21/92	312.00
07/27/92	312.00
08/10/92	312.00
08/24/92	349.00
9/15/1992	349.00
09/16/92	351.00
10/14/92	351.00
10/14/92	351.00
10/15/92	351.00
11/18/92	351.00
12/16/92	351.00
01/13/93	351.00
02/17/93	351.00
03/10/93	351.00
03/31/93	351.00
04/14/93	351.00

A-68 Dissolved Zn (ug/l)							
		Jan.	Feb	Mar	Apr	May	June
		Zn	Zn	Zn	Zn	Zn	Zn
		519	461	453	557	450	406
		556	489	480	548	479	320
		591	849	490	444	350	322
		689	563	1785	1790	324	287
				783	1785	1458	360
					912	300	300
					1036	300	332
						310	312
						310	312
						510	618
						721	349
						374	351
						405	475
						435	225
						351	339
						361	
						813	
						526	
						388	
						443	
						319	
						289	
						280	
						244	
						262	

COLOR CODE:

1991

1992

1993

1994

All red font are averages of same day samples

04/21/93 1785.00
04/29/93 1474.00
05/04/93 1458.00
05/12/93 912.00
05/26/93 323.00
06/02/93 510.00
06/09/93 721.00
06/16/93 374.00
06/23/93 405.00
07/14/93 325.00
07/20/93 300.00
07/21/93 323.00
07/21/93 340.00
07/28/93 312.00
08/11/93 97.00
08/25/93 363.00
09/15/93 325.00
10/13/93 384.00
11/17/93 487.00
12/15/93 570.00
01/12/94 591.00
03/16/94 17.00
03/30/94 783.00
4/13/1994 865.00
04/20/94 645.00
04/27/94 897.00
05/03/94 0.00
05/11/94 871.00
05/18/94 523.00
5/24/1994 505
06/01/94 435.00
06/08/94 351.00
06/15/94 361.00
06/22/94 813.00
07/13/94 616.00
07/20/94 349.00
07/27/94 351.00
08/10/94 494.00
08/24/94 412.00
09/15/94 305.00
10/13/94 354.00
11/09/94 415.00
11/09/94 418.00
12/13/94 665.00
01/18/95 689.00
02/15/95 849.00
03/01/95 1036.00

3/15/1995	1086
4/6/1995	1026.00
4/12/1995	968.00
04/12/95	1090.00
4/19/1995	
05/03/95	1072.00
5/10/1995	114
5/22/1995	778
05/31/95	852.00
06/07/95	526.00
06/14/95	388.00
06/21/95	416.00
06/21/95	470.00
06/28/95	380.00
07/05/95	475.00
7/12/1995	225
07/19/95	339.00
08/02/95	338.00
08/16/95	307.00
09/06/95	320.00
9/13/1995	
10/11/95	377.00
11/15/1995	474
11/29/95	300.00
12/13/1995	515
02/14/96	563.00
03/13/96	799.00
03/20/96	847.00
4/3/1996	-9.00
04/09/96	1100.00
04/10/96	832.00
04/17/96	-9.00
05/01/96	530.00
05/08/96	420.00
05/15/96	341.00
05/21/96	350.00
05/29/96	470.00
06/05/96	319.00
06/12/96	289.00
06/18/96	280.00
06/19/96	244.00
06/26/96	262.00
07/03/96	-9.00
07/10/96	263.00
07/16/96	300.00
07/17/96	291.00
08/07/96	392.00

8/14/1996 430.00
8/14/1996 410.00
08/21/96 437.00
09/18/96 371.00
10/01/96 422.70
10/16/96 285.00
10/18/1996 490.00
10/23/1996 494.00
11/7/1996 600.00
11/13/1996 477.00
11/19/96 573.65
12/13/1996 950.00
1/7/1997 1000.00
01/08/97 736.76
01/30/97 938.30
2/5/1997 790.00
02/25/97 860.34
3/5/1997 1300.00
03/12/97 954.00
03/19/97 1179.00
03/25/97 1239.50
04/02/97 1192.00
4/11/1997 1440.00
04/16/97 1035.00
4/16/1997 956.00
04/29/97 882.15
04/30/97 852.00
05/07/97 680.00
05/14/97 596.52
05/21/97 481.00
05/21/97 392.61
05/28/97 511.00
05/29/97 482.42
06/04/97 454.00
06/05/97 266.17
6/10/1997 450.00
6/11/1997 445.00
06/11/97 418.63
06/16/97 385.33
6/18/1997 351.00
6/25/1997 349.00
06/26/97 317.91
07/01/97 243.61
7/2/1997 -9.00
07/09/97 330.00
07/15/97 264.47
7/16/1997 340.00

07/30/97 255.32
 08/12/97 352.88
 8/13/1997 342.00
 8/13/1997 110.00
 09/11/97 420.00
 9/11/1997 404.00
 9/17/1997 306.00
 09/25/97 309.27
 10/8/1997 460.00
 10/15/1997 318.00
 10/22/97 377.53
 11/12/97 570.00
 11/12/1997 458.00
 11/25/97 498.57
 12/3/1997 617.00
 12/17/1997 669.00
 12/23/97 610.89

01/07/98 810.00	Jan.	Feb	Mar	Apr	May	June	July
2/4/1998 610.00	Zn	Zn	Zn	Zn	Zn	Zn	Zn
02/12/98 600.08	810	610	651	925	637	283	280
3/4/1998 651.00	860	600	700	1510	742	241	227
03/05/98 700.00	700	810	837	1457	840	297	295
03/16/98 837.23	780	640	781	1181	523	281	262
3/18/1998 781.00		732	1000	1194	444	245	288
4/1/1998 925.00		787	798	635	353	251	340
04/08/98 1510.00		615	710	790	289	270	250
4/15/1998 1457.00		680	721	485	1900	225	
04/23/98 1181.10			780	899	440	320	
4/29/1998 1194.00				1060	630	310	
5/5/1998 637.00					1070		
05/06/98 742.03							
05/07/98 840.00							
5/13/1998 523.00							
5/20/1998 444.00							
5/27/1998 353.00							
05/29/98 288.79							
06/02/98 282.70							
6/3/1998 241.00							
06/09/98 297.17							
6/10/1998 241							
06/10/98 320.00							
6/17/1998 245.00							
6/17/1998							
6/24/1998 256.00							
06/24/98 245.43							
07/01/98 280.00							
07/09/98 227.25							

Jan.	Feb	Mar	Apr	May	June	July
Zn	Zn	Zn	Zn	Zn	Zn	Zn
810	610	651	925	637	283	280
860	600	700	1510	742	241	227
700	810	837	1457	840	297	295
780	640	781	1181	523	281	262
	732	1000	1194	444	245	288
	787	798	635	353	251	340
	615	710	790	289	270	250
	680	721	485	1900	225	
		780	899	440	320	
			1060	630	310	
				1070		

COLOR CODE: 1998 1999 2000 2001

All red font are averages of same day samples

7/15/1998	295.00
7/22/1998	298.00
07/22/98	226.21
08/05/98	310.00
8/26/1998	342.00
9/2/1998	335.00
09/09/98	420.00
9/16/1998	298.00
09/30/98	350.99
10/07/98	460.00
11/03/98	660.00
11/18/1998	594.00
12/02/98	765.00
01/06/99	860.00
01/06/99	860.00
02/04/99	810.00
02/17/99	640.18
2/24/1999	732.00
03/03/99	1000.00
3/17/1999	798.00
4/1/1999	635.00
04/07/99	790.00
4/26/1999	485.00
04/29/99	898.94
05/06/99	1900.00
06/09/99	270.00
6/23/1999	224.70
07/07/99	288.00
8/4/99	290.00
8/4/1999	290.00
08/19/99	296.18
9/1/99	310.00
9/16/1999	406.30
10/06/99	506.00
10/14/1999	260.40
11/3/99	720.00
11/17/1999	564.00
12/01/99	697.00
1/5/00	700.00
02/02/00	787.00
2/28/2000	615.40
3/1/00	710.00
3/15/2000	721.10
04/05/00	1060.00
5/3/00	440.00
06/07/00	320.00
7/5/00	340.00

08/02/00	420.00
9/6/00	520.00
10/04/00	510.00
11/1/00	510.00
12/06/00	648.00
1/3/01	780.00
02/07/01	680.00
3/14/01	780.00
04/04/01	1070.00
5/2/01	630.00
06/06/01	310.00
7/6/01	1250.00
08/01/01	346.00
9/5/01	490.00
10/03/01	506.00
11/7/01	610.00
12/05/01	750.00

1/2/02	890.00
3/6/02	600.00
04/03/02	510.00
05/01/02	422.00
6/5/02	255.00
6/27/02	2278.90
7/3/02	340.00
7/17/02	2314.60
08/07/02	496.00
8/14/2002	413.40
9/4/02	558.00
9/18/2002	416.60
10/02/02	648.00
10/25/2002	615.80
11/6/02	641.00
11/12/2002	593.90
12/04/02	877.00
12/8/2002	778.10
1/8/2003	831.70
1/9/2003	718.00
2/1/2003	672.00
02/05/03	850.00
3/9/2003	708.80
4/24/2003	657.30
5/7/2003	518.50
5/7/2003	552.50
6/2/2003	0
7/2/2003	289.90
7/2/2003	318.10
8/14/2003	319.50

9/11/2003 545.60

9/11/03-9.00

10/4/2003 375.60

11/6/03 701.00

12/29/2003 674.70

3/3/2004 639.90

3/3/04 701.00

4/16/2004 1074.00

5/5/2004 572.80

5/5/04 580.00

5/28/2004 209.60

6/17/2004 353.60

7/7/2004	331.9
7/7/04	295.00
8/19/2004	431.90
9/1/04	512.00
9/15/2004	510.7

10/14/2004 331.90

11/10/04 645.30

11/10/04 588.00



12/08/04 675.50

01/20/05 679.29

02/15/05 944.98

03/02/2005 1120

03/13/05 1056.70

04/09/05 1043.59

05/04/05 1007.38

05/04/2005 1030

6/9/2005 380

7/6/2005 285.8

07/06/2005 312

8/10/05 265.1

9/14/05 446.4

9/14/05 453.6

9/15/2005 428

10/13/05 416.8

11/2/05 499.6

11/2/2005 552

12/20/05 658.1

1/6/06 734.5

01/06/2006 772

2/8/06 1015.2

3/7/06 1015.2

3/15/06 893.4

03/15/2006 955

4/5/06 893.4

4/5/06 1171.5

5/10/06	490.2
05/10/2006	495
05/16/2006	301
6/6/06	1171.5
6/6/06	292.2
7/12/06	326
07/12/2006	336
8/2/06	292.2
8/2/06	360.1
9/6/06	326
9/6/06	390.5
09/06/2006	455
10/11/06	376.6
11/1/06	529.6
11/01/2006	576
12/5/06	634.7
1/11/07	668.2
2/6/07	670.9
3/7/07	707.6
03/07/2007	762
4/2/07	665.8
4/2/2007	665.8
05/11/2007	355
5/11/2007	357.3
6/5/2007	254.8
6/14/07	254
07/11/2007	284
7/11/2007	249.7
8/6/2007	218.9
09/05/2007	350
9/5/2007	309.5
10/25/2007	396.1
10/25/2007	396.1
11/07/2007	498
12/5/2007	601.6
01/02/08	680.00
1/2/2008	819.6
03/12/08	1250.00
4/10/2008	1622.2
05/07/08	585.00
5/7/2008	487.6
6/3/2008	220.7
07/09/08	282.00
7/9/2008	261.8
8/5/2008	249
09/03/08	408
9/3/2008	354.9

A-68 Monthly Dissolved Zn Averages

	Jan.	Feb	Mar	Apr	May	June	July
Zn	Zn	Zn	Zn	Zn	Zn	Zn	Zn
668	671	735	666	356	255	267	
750	702	1250	1622	536	254	272	
611	689	839	616	232	221	261	
		530	985	295	317	268	
		610	934	443	270	274	274
		758	950	916	275	261	
		874		545	290	211	
					274	237	

COLOR CODE:

2007 2008 2009 2010

All red font are averages of same day samples

10/6/2008	403.9
11/07/08	731.00
11/7/2008	656.8
12/3/2008	545.8
3/4/2009	894
3/4/2009	784.5
4/6/2009	615.5
5/13/2009	219
5/13/2009	244.9
05/19/09	295
6/2/2009	317.4
06/16/09	270
7/8/2009	247.8
7/8/2009	274
07/14/09	268
8/12/2009	276.4
08/18/09	332
9/16/2009	427
9/16/2009	367.2
09/22/09	407
10/5/2009	417.6
11/4/2009	470
11/5/2009	0
11/17/09	567
12/1/2009	488.5
02/17/10	702
3/2/2010	530.4
03/17/10	610
4/13/2010	985
4/16/2010	933.7
5/5/2010	444.00
5/5/2010	441.5
06/02/10	286
6/2/2010	263.7
7/8/2010	283
7/8/2010	265.3
07/13/10	261
8/10/2010	303.7
9/9/2010	344
9/9/2010	318.5
09/14/10	410
10/4/2010	337.1
11/02/10	436
11/3/2010	348
11/3/2010	354.8
12/7/2010	386.8
1/5/2011	494.3

1/5/2011	530
2/11/2011	689.4
3/9/2011	716.9
3/9/2011	799
03/15/11	874
4/6/2011	949.6
5/4/2011	916
5/8/2011	544.5
6/3/2011	290.4
06/14/11	274
7/5/2011	211
07/19/11	237
8/1/2011	221.1
08/16/11	282
9/7/2011	236
9/7/2011	311
09/13/11	311
10/7/2011	386.4
10/18/11	393
11/2/2011	340
11/2/2011	421
12/7/2011	411

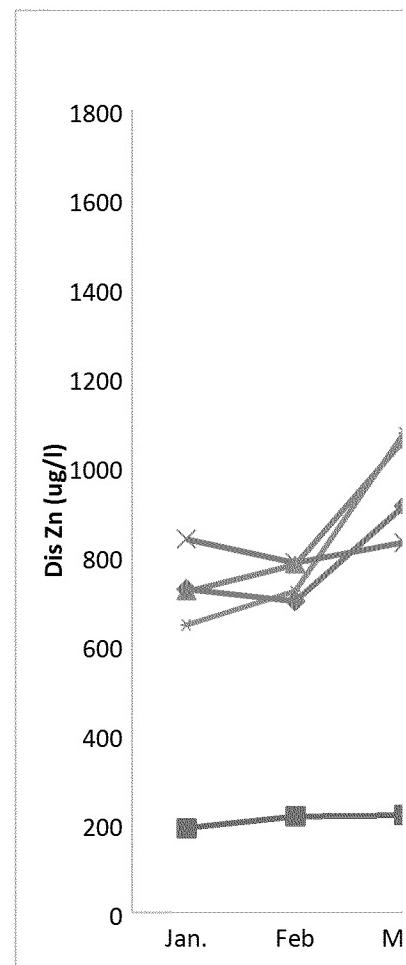
422.70

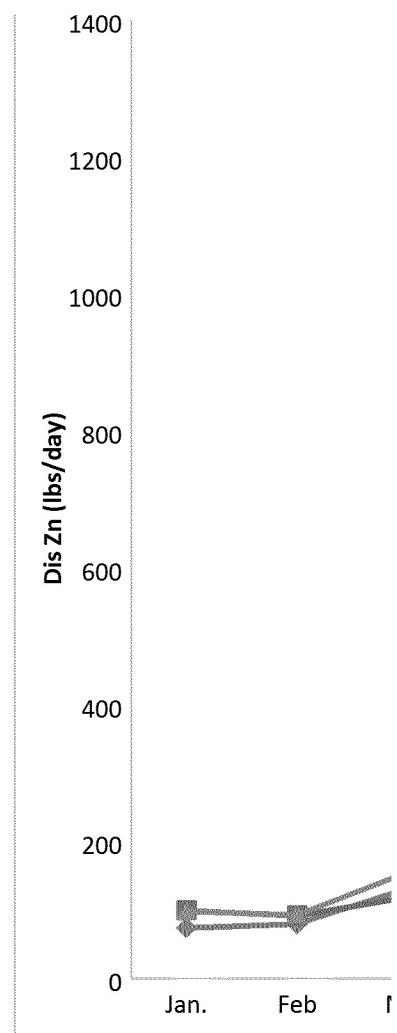
ved Zn (ug/l)

Zn	Zn	Zn	Zn	Zn
Aug	Sept	Oct	Nov	Dec
363	290	353	356	540
632	350	420	487	495
97	450	384	417	570
363	290	354	474	665
494	370	377	300	515
412	324			
338	325			
307	305			
		320		

1995 1996

Jan.	
Ave. dZn 1991-mid 1996	589
85th dZn 1991-mid 1996	645
Ave. Hardness 1991 - mid 1996	79
Table Value Std 1991-mid 1996	97
Actual Std	720
Ave. monthly flows 1991-mid 1996 (cfs)	24
dZn Load 1991-mid 1996 lbs/day	75





Aug	Sept	Oct	Nov	Dec		Jan.
Zn	Zn	Zn	Zn	Zn		
310	335	460	660	765	Ave. dZn 1998-2001	788
342	420	506	594	697	85th dZn 1998-2001	838
290	298	260	720	648	Ave. Hardness 1998-2001	181
296	351	510	564	750	Table Value Std 1998-2001	208
420	310	506	510		Actual Std	720
346	406				Ave. monthly flows 1998-2001 (cfs)	24
	520				dZn Load 1998-2001 lbs/day	100

Solved Zn Averages

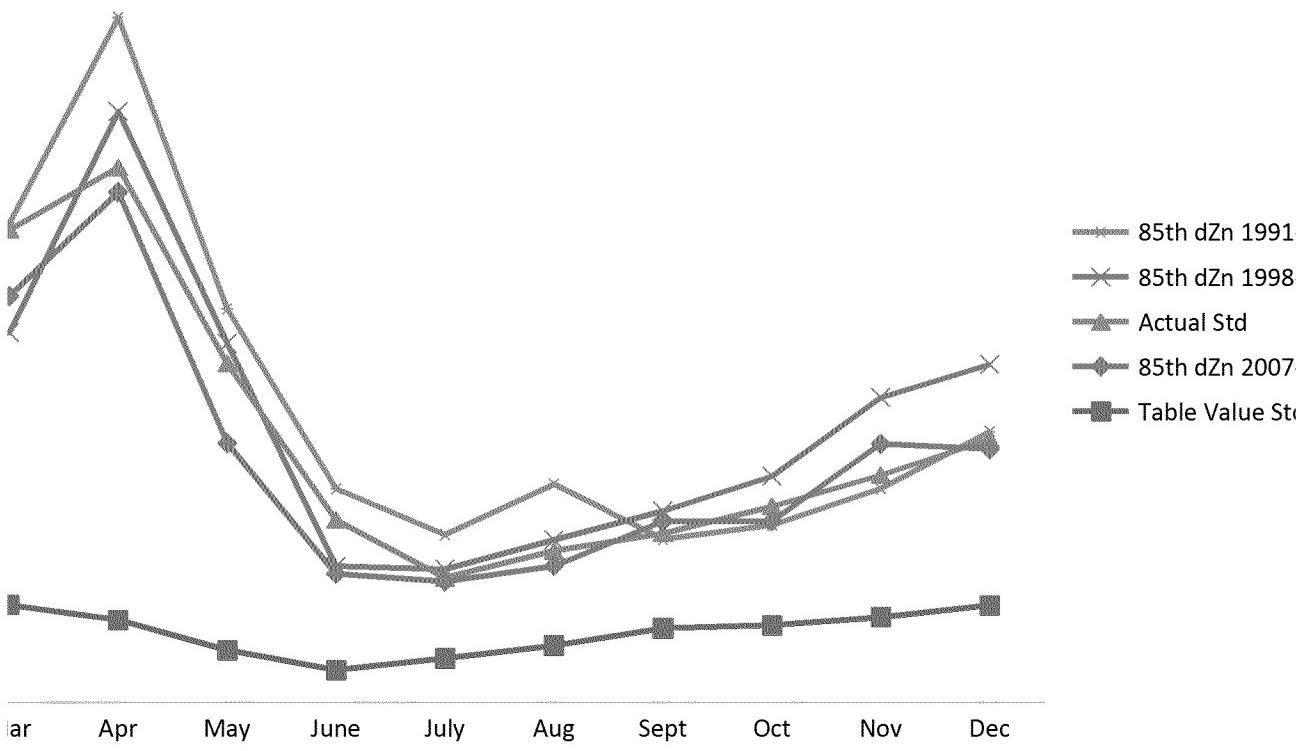
Zn	Zn	Zn	Zn	Zn
Aug	Sept	Oct	Nov	Dec
219	330	396	498	602
249	381	404	694	546
276	397	418	470	489
332	407	337	567	387
304	331	386	436	411
221	410	393	351	
282	274			
				311

	Jan.
Ave. dZn 2007-2011	643
85th dZn 2007-2011	725
Ave. Hardness 2007-2011	164
Table Value Std 2007-2011	190
Actual Std	720
Ave. monthly flows 2007-2011 (cfs)	28
dZn Load 2007-2011 lbs/day	98

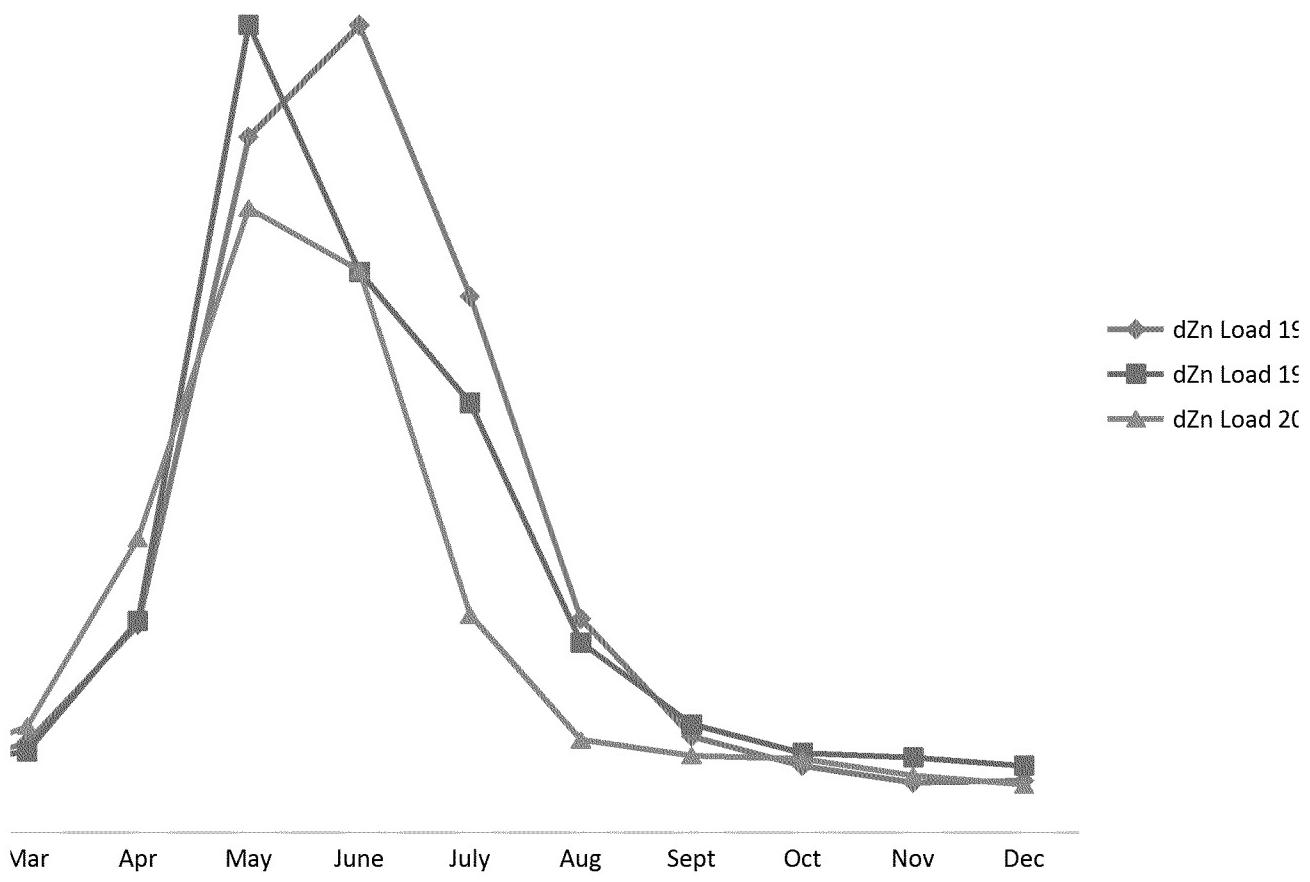
2011

Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
591	862	999	585	392	346	376	336	378	407
720	1076	1536	883	480	377	490	366	398	479
141	178	89	76	65	87	111	107	146	121
166	205	109	94	82	107	133	129	171	144
780	1060	1200	760	410	280	340	380	440	510
25	28	56	322	558	420	154	78	48	33
80	132	304	1016	1179	784	313	141	98	73

Dis Zn Conc. at A68



Dis Zn Load at A68



Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
684	775	1019	680	272	277	334	377	448	610
784	829	1326	806	306	300	365	430	508	684
193	166	207	87	66	71	117	129	146	115
221	192	235	107	83	88	140	152	171	138
780	1060	1200	760	410	280	340	380	440	510
25	28	56	322	558	420	154	78	48	33
92	119	309	1180	819	628	278	158	116	110

Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
687	799	962	475	270	256	269	355	389	485
698	912	1144	582	290	272	307	407	407	580
189	192	159	97	57	80	106	142	148	166
216	219	185	118	73	99	128	167	174	192
780	1060	1200	760	410	280	340	380	440	510
25	36	83	356	565	230	94	59	51	32
93	156	430	912	821	318	136	113	107	83

Dec
557
608
194
221
590

25

76

-mid 1996

-2001

-2011

d 2007-2011

)91-mid 1996

)98-2001

)07-2011

Dec
715
758
204
231
590

25

98

Dec
487
568
191
218
590

27

70

DATE	MN_DIS
09/05/91	360.00
09/06/91	400.00
09/07/91	690.00
09/09/91	300.00
09/10/91	560.00
12/08/91	531.00
01/15/92	619.00
02/13/92	505.00
03/05/92	501.00
03/16/92	577.00
04/13/92	700.00
04/20/92	493.00
04/30/92	312.00
05/05/92	377.00
05/11/92	438.00
05/18/92	310.00
05/26/92	300.00
06/01/92	373.00
06/08/92	329.00
06/15/92	444.00
06/22/92	345.00
06/23/92	400.00
06/24/92	-9.00
06/25/92	-9.00
07/14/92	291.00
07/21/92	319.00
07/27/92	561.00
08/10/92	396.00
08/24/92	882.00
9/15/1992	
09/16/92	421.00
10/14/92	459.00
10/14/92	500.00
10/15/92	520.00
11/18/92	457.00
12/16/92	580.00
01/13/93	559.00
02/17/93	577.00
03/10/93	663.00
03/31/93	1465.00
04/14/93	2280.00

Jan.	Feb	Mar	Apr	May	June
Mn	Mn	Mn	Mn	Mn	Mn
619	505	501	700	377	373
559	577	577	493	438	329
1146	1170	663	312	310	444
1155	1310	1465	2280	300	345
		1710	2710	1775	400
		1770	1980	1217	374
		1850	959	254	563
		1701	1166	1243	273
		2062	2067	494	318
			1911	510	375
			2100	2200	362
			1599	290	307
				827	493
				1170	351
				710	508
				406	310
				265	325
				240	307
				445	320
					307
					308

COLOR CODE: 1991 1992 1993

All red font are same day sample averages

04/21/93	2710.00
04/29/93	1980.00
05/04/93	1775.00
05/12/93	1217.00
05/26/93	254.00
06/02/93	374.00
06/09/93	563.00
06/16/93	273.00
06/23/93	318.00
07/14/93	278.00
07/20/93	-9.00
07/21/93	318.00
07/21/93	-9.00
07/28/93	326.00
08/11/93	84.00
08/25/93	401.00
09/15/93	472.00
10/13/93	679.00
11/17/93	833.00
12/15/93	967.00
01/12/94	1146.00
03/16/94	0.00
03/30/94	1710.00
4/13/1994	0.00
04/20/94	959.00
04/27/94	1166.00
05/03/94	0.00
05/11/94	1243.00
05/18/94	494.00
5/24/1994	510
06/01/94	375.00
06/08/94	0.00
06/15/94	362.00
06/22/94	307.00
07/13/94	441.00
07/20/94	480.00
07/27/94	551.00
08/10/94	507.00
08/24/94	582.00
09/15/94	496.00
10/13/94	576.00
11/09/94	838.00
11/09/94	957.00
12/13/94	1081.00
01/18/95	1155.00
02/15/95	1170.00
03/01/95	1770.00

3/15/1995	1850
4/6/1995	2067.00
4/12/1995	1831.00
04/12/95	1990.00
4/19/1995	
05/03/95	2200.00
5/10/1995	290
5/22/1995	827
05/31/95	1170.00
06/07/95	493.00
06/14/95	351.00
06/21/95	321.00
06/21/95	694.00
06/28/95	310.00
07/05/95	397.00
7/12/1995	192
07/19/95	346.00
08/02/95	374.00
08/16/95	490.00
09/06/95	674.00
9/13/1995	
10/11/95	861.00
11/15/1995	1112
11/29/95	388.00
12/13/1995	1161
02/14/96	1310.00
03/13/96	1701.00
03/20/96	2062.00
4/3/1996	-9.00
04/09/96	2100.00
04/10/96	1599.00
04/17/96	-9.00
05/01/96	710.00
05/08/96	406.00
05/15/96	265.00
05/21/96	240.00
05/29/96	445.00
06/05/96	325.00
06/12/96	307.00
06/18/96	320.00
06/19/96	307.00
06/26/96	308.00
07/03/96	-9.00
07/10/96	440.00
07/16/96	470.00
07/17/96	427.00
08/07/96	629.00

8/14/1996	810.00
8/14/1996	720.00
08/21/96	753.00
09/18/96	684.00
10/01/96	678.00
10/16/96	431.00
10/18/1996	840.00
10/23/1996	922.00
11/7/1996	1180.00
11/13/1996	950.00
11/19/96	1206.45
12/13/1996	2050.00
1/7/1997	2500.00
01/08/97	1588.60
01/30/97	2834.15
2/5/1997	1750.00
02/25/97	1952.77
3/5/1997	3200.00
03/12/97	2168.00
03/19/97	3040.00
03/25/97	2387.35
04/02/97	2350.00
4/11/1997	3180.00
04/16/97	2380.00
4/16/1997	1901.00
04/29/97	1806.54
04/30/97	1826.00
05/07/97	1100.00
05/14/97	585.28
05/21/97	422.00
05/21/97	424.66
05/28/97	604.00
05/29/97	641.89
06/04/97	192.00
06/05/97	215.86
6/10/1997	510.00
6/11/1997	368.00
06/11/97	401.37
06/16/97	398.82
6/18/1997	261.00
6/25/1997	294.00
06/26/97	300.68
07/01/97	305.95
7/2/1997	-9.00
07/09/97	440.00
07/15/97	378.25
7/16/1997	386.00

07/30/97	493.43
08/12/97	722.75
8/13/1997	611.00
8/13/1997	1360.00
09/11/97	1100.00
9/11/1997	1132.00
9/17/1997	669.00
09/25/97	561.67
10/8/1997	1370.00
10/15/1997	584.00
10/22/97	777.73
11/12/97	1600.00
11/12/1997	1451.00
11/25/97	1456.11
12/3/1997	2070.00
12/17/1997	1894.00
12/23/97	2198.15
01/07/98	2300.00
2/4/1998	1960.00
02/12/98	1801.46
3/4/1998	2380.00
03/05/98	2400.00
03/16/98	2257.62
3/18/1998	1883.00
4/1/1998	2080.00
04/08/98	3900.00
4/15/1998	3480.00
04/23/98	3448.76
4/29/1998	2610.00
5/5/1998	1045.00
05/06/98	1265.05
05/07/98	1400.00
5/13/1998	814.00
5/20/1998	521.00
5/27/1998	385.00
05/29/98	322.23
06/02/98	272.29
6/3/1998	219.00
06/09/98	430.80
6/10/1998	219
06/10/98	590.00
6/17/1998	324.00
6/17/1998	
6/24/1998	450.00
06/24/98	339.27
07/01/98	390.00
07/09/98	421.27

	Jan.	Feb	Mar	Apr	May	June
	Mn	Mn	Mn	Mn	Mn	Mn
01/07/98	2300	1960	2380	2080	1045	272
2/4/1998	3500	1801	2400	3900	1265	219
02/12/98	2900	4150	2258	3480	1400	431
3/4/1998	4300	2380	1883	3449	814	405
03/05/98	2600	3400	2610	521	324	
03/16/98	3500	3290	1783	385	395	
3/18/1998	2584	3100	3020	322	470	
4/1/1998	2630	2756	1119	4100	280	
04/08/98	3300	2884	680	530		
4/15/1998		4290	750	530		
04/23/98		4330				
4/29/1998						
5/5/1998						
05/06/98						
05/07/98						
5/13/1998						
5/20/1998						
5/27/1998						
05/29/98						
06/02/98						
6/3/1998						
06/09/98						
6/10/1998						
06/10/98						
6/17/1998						
6/17/1998						
6/24/1998						
06/24/98						
07/01/98						
07/09/98						

COLOR CODE:

1998 1999

All red font are same day sample average

7/15/1998	560.00
7/22/1998	649.00
07/22/98	643.02
08/05/98	720.00
8/26/1998	849.00
9/2/1998	682.00
09/09/98	1200.00
9/16/1998	1010.00
09/30/98	1223.87
10/07/98	1550.00
11/03/98	2000.00
11/18/1998	1492.00
12/02/98	3460.00
01/06/99	3500.00
01/06/99	3500.00
02/04/99	4150.00
02/17/99	2379.54
2/24/1999	2600.00
03/03/99	3400.00
3/17/1999	3290.00
4/1/1999	1783.00
04/07/99	3020.00
4/26/1999	1119.00
04/29/99	2883.50
05/06/99	4100.00
06/09/99	470.00
6/23/1999	280.00
07/07/99	590.00
8/4/99	640.00
8/4/1999	640.00
08/19/99	864.98
9/1/1999	820.00
9/16/1999	1293.30
10/06/99	1620.00
10/14/1999	880.60
11/3/1999	2100.00
11/17/1999	2369.10
12/01/99	2790.00
1/5/00	2900.00
02/02/00	3500.00
2/28/2000	2583.60
3/1/00	3100.00
3/15/2000	2755.70
04/05/00	4290.00
5/3/00	680.00
06/07/00	530.00
7/5/00	890.00

08/02/00	1540.00
9/6/00	<5
10/04/00	1570.00
11/1/00	2000.00
12/06/00	2680.00
1/3/01	4300.00
02/07/01	2630.00
3/14/01	3300.00
04/04/01	4330.00
5/2/01	750.00
06/06/01	530.00
7/6/01	580.00
08/01/01	1110.00
9/5/01	1100.00
10/03/01	1710.00
11/7/01	1900.00
12/05/01	2850.00
1/2/02	3700.00
3/6/02	1900.00
04/03/02	1770.00
05/01/02	820.00
6/5/02	19.00
6/27/2002	807.10
7/3/02	950.00
7/17/2002	1043.70
08/07/02	1330.00
8/14/2002	1112.50
9/4/02	1460.00
9/18/2002	1237.70
10/02/02	1690.00
10/25/2002	1557.60
11/6/02	2010.00
11/12/2002	1741.20
12/04/02	2820.00
12/8/2002	2597.50
1/8/2003	2795.00
1/9/2003	2430.00
2/1/2003	2705.70
02/05/03	4370.00
3/9/2003	2656.90
4/24/2003	1966.80
5/7/2003	1118.70
5/7/2003	1163.50
6/2/2003	0
7/2/2003	600.60
7/2/2003	599.40
8/14/2003	989.70

9/11/2003	1640.20
9/11/03	
10/4/2003	1168.90
11/6/03	2570.00
12/29/2003	2357.30
3/3/2004	3019.70
3/3/04	2880.00
4/16/2004	3436.80
5/5/2004	1174.90
5/5/04	1020.00
5/28/2004	437.40
6/17/2004	520.40
7/7/2004	663.1
7/7/04	632.00
8/19/2004	1564.30
9/1/04	1710.00
9/15/2004	1432
10/14/2004	663.10
11/10/04	2308.20
11/10/04	1940.00
12/08/04	2655.40
01/20/05	3132.72
02/15/05	4469.78
03/02/2005	4540
03/13/05	5009.77
04/09/05	3896.78
05/04/05	3360.86
05/04/2005	3290
6/9/2005	562.6
7/6/2005	650.2
07/06/2005	710
8/10/05	1071.7
9/14/05	1783.5
9/14/05	1783.5
9/15/2005	1660
10/13/05	1442.6
11/2/05	1782.7
11/2/2005	1920
12/20/05	3366.2
1/6/06	3770.4
01/06/2006	3800
2/8/06	6093
3/7/06	6093
3/15/06	4695.1
03/15/2006	4200
4/5/06	4695.1
4/5/06	4517.6

5/10/06	1318.2
05/10/2006	1380
05/16/2006	323
6/6/06	4517.6
6/6/06	544.8
7/12/06	1012.4
07/12/2006	947
8/2/06	544.8
8/2/06	1089.2
9/6/06	1012.4
9/6/06	1372.6
09/06/2006	1270
10/11/06	990.5
11/1/06	1915.4
11/01/2006	2060
12/5/06	2421.1
1/11/07	3253.8
2/6/07	3178
3/7/07	3483.6
03/07/2007	3650
4/2/07	2784.7
4/2/2007	2784.7
05/11/2007	1040
5/11/2007	915.9
6/5/2007	326.8
6/14/07	518
07/11/2007	702
7/11/2007	683.6
8/6/2007	413.5
09/05/2007	1300
9/5/2007	1223.4
10/25/2007	1228.1
10/25/2007	1228.1
11/07/2007	1530
12/5/2007	2353.9
01/02/08	2840.00
1/2/2008	2960
03/12/08	3990.00
4/10/2008	6250
05/07/08	1510.00
5/7/2008	1267.7
6/3/2008	215.7
07/09/08	657.00
7/9/2008	572.5
8/5/2008	622.7
09/03/08	1470
9/3/2008	1270.2

Jan.	Feb	Mar	Apr	May	June
Mn	Mn	Mn	Mn	Mn	Mn
3254	3178	3567	2785	978	327
2900	3560	3990	6250	1389	518
2722	2600	3879	2450	317	216
		2764	3730	340	376
		2710	4321	1052	636
		3639	3651	3290	335
		3160		1969	484
					415

COLOR CODE:

2007 2008 2009

All red font are averages of same day samples

10/6/2008	1452.2
11/07/08	2900.00
11/7/2008	2839.6
12/3/2008	2332.2
1/4/2009	3920
3/4/2009	3838
4/6/2009	2449.8
5/13/2009	311
5/13/2009	323.7
05/19/09	340
6/2/2009	375.5
06/16/09	636
7/8/2009	580.2
7/8/2009	609
07/14/09	668
8/12/2009	1049.8
08/18/09	1320
9/16/2009	1840
9/16/2009	1936.8
09/22/09	1540
10/5/2009	1977.7
11/4/2009	1880.00
11/5/2009	0
11/17/09	2380
12/1/2009	2238.8
02/17/10	3560
3/2/2010	2763.6
03/17/10	2710
4/13/2010	3730
4/16/2010	4320.8
5/5/2010	1040.00
5/5/2010	1063
6/2/2010	335
6/2/2010	334.9
7/8/2010	748.00
7/8/2010	731.6
7/13/2010	649
8/10/2010	1308.9
9/9/2010	1180.00
9/9/2010	1233.9
9/14/2010	1310
10/4/2010	1421.5
11/2/2010	1790
11/3/2010	1390.00
11/3/2010	1393.9
12/7/2010	1903.7
1/5/2011	2744.6

1/5/2011	2700.00
2/11/2011	2600.1
3/9/2011	3418.4
3/9/2011	3660
03/15/11	3160
4/6/2011	3650.9
5/4/2011	3290
5/8/2011	1968.6
6/3/2011	484
06/14/11	415
7/5/2011	432.6
07/19/11	537
8/1/2011	685.8
08/16/11	821
9/7/2011	841.6
9/7/2011	976
09/13/11	1140
10/7/2011	1468.9
10/18/11	1310
11/2/2011	1526.6
11/2/2011	1750
12/7/2011	1784
	678.00

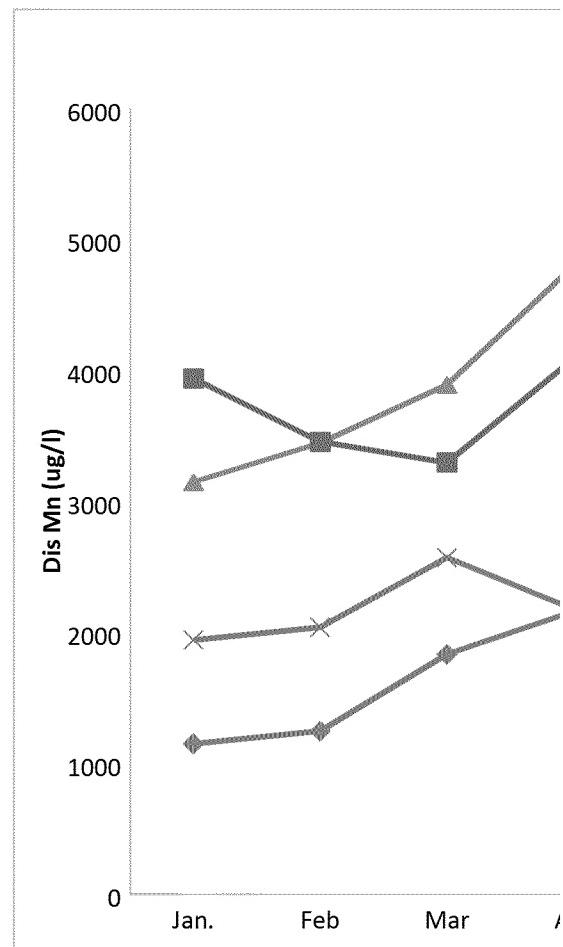
July	Aug	Sept	Oct	Nov	Dec
Mn	Mn	Mn	Mn	Mn	Mn
291	396	360	480	457	531
319	882	400	520	833	580
561	84	690	679		967
278	401	300	576	1112	1081
318	507	560	861	388	1161
326	582	421			
441	374	472			
480	490	496			
551		674			
397					
192					
346					

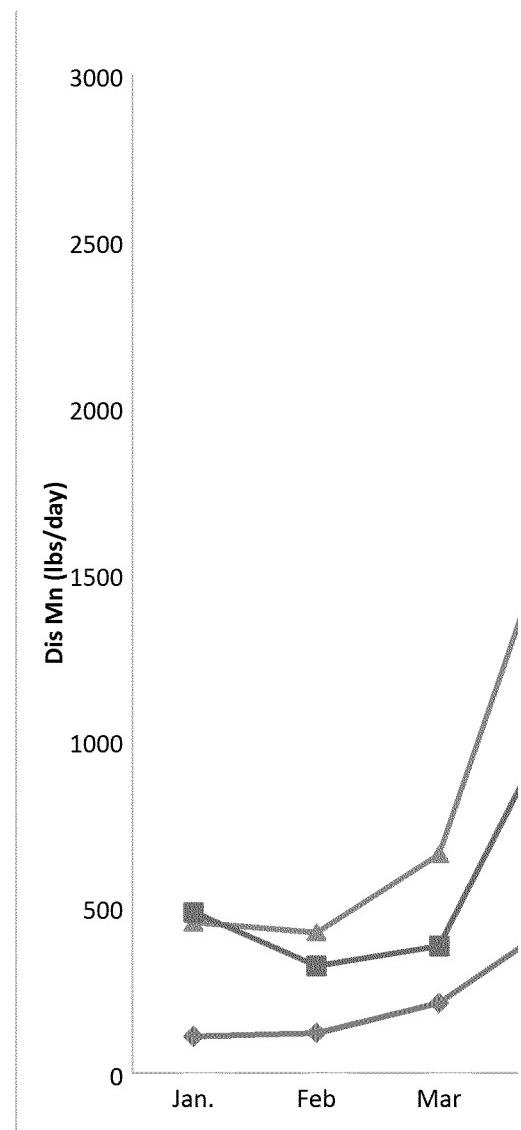
1994 1995 1996

Ave. dZn 1991-mid 1996
85th dMn 1991-mid 1996
Ave. Hardness 1991-mid 1996
TVS Std. 1991-mid 1996

Ave. monthly flows
1991-mid 1996 (cfs)

dMn Load 1991-mid 1996
lbs/day





July	Aug	Sept	Oct	Nov	Dec	
Mn	Mn	Mn	Mn	Mn	Mn	Ave. dZn 1998-2001
390	720	682	1550	2000	3460	85th dMn 1998-2001
421	849	1200	1620	1492	2790	Ave. Hardness 1998-2001
560	640	1010	881	2100	2680	TVS Std. 1998-2001
646	1540	1224	1570	2369	2850	
590	1110	820	1710	2000		Ave. monthly flows
890		1293		1900		1998-2001 (cfs)
580		1100				dMn Load 1998-2001
						lbs/day

2000 2001
es

July	Aug	Sept	Oct	Nov	Dec
Mn	Mn	Mn	Mn	Mn	Mn
693	414	1262	1228	1530	2354
615	623	1370	1452	2870	2332
595	1050	1888	1978	1880	2239
668	1320	1540	1422	2380	1904
740	1309	1207	1469	1790	1784
649	686	1310	1310	1392	
433	821	909		1638	
537		1140			

Ave. dZn 2007-2011
 85th dMn 2007-2011
 Ave. Hardness 2007-2011
 Actual Std. 2007-2011

Ave. monthly flows
 2007-2011 (cfs)

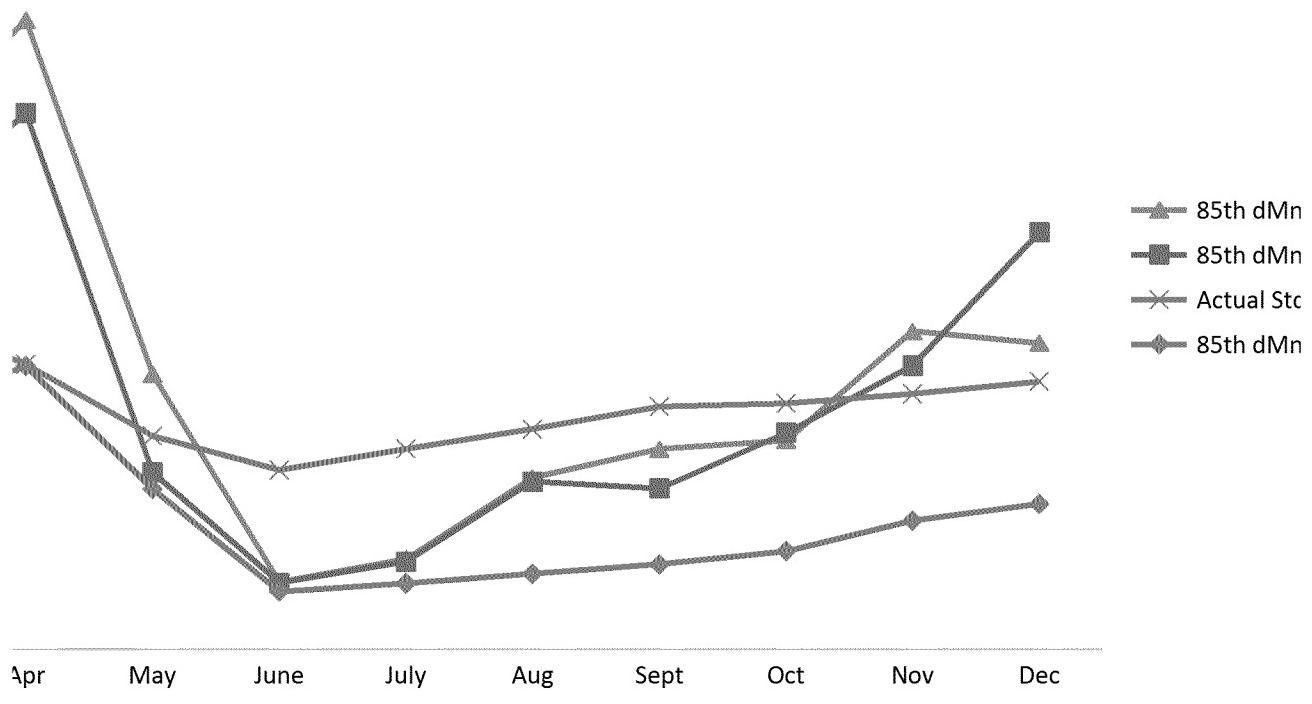
dMn Load 2007-2011
 lbs/day

2010 2011

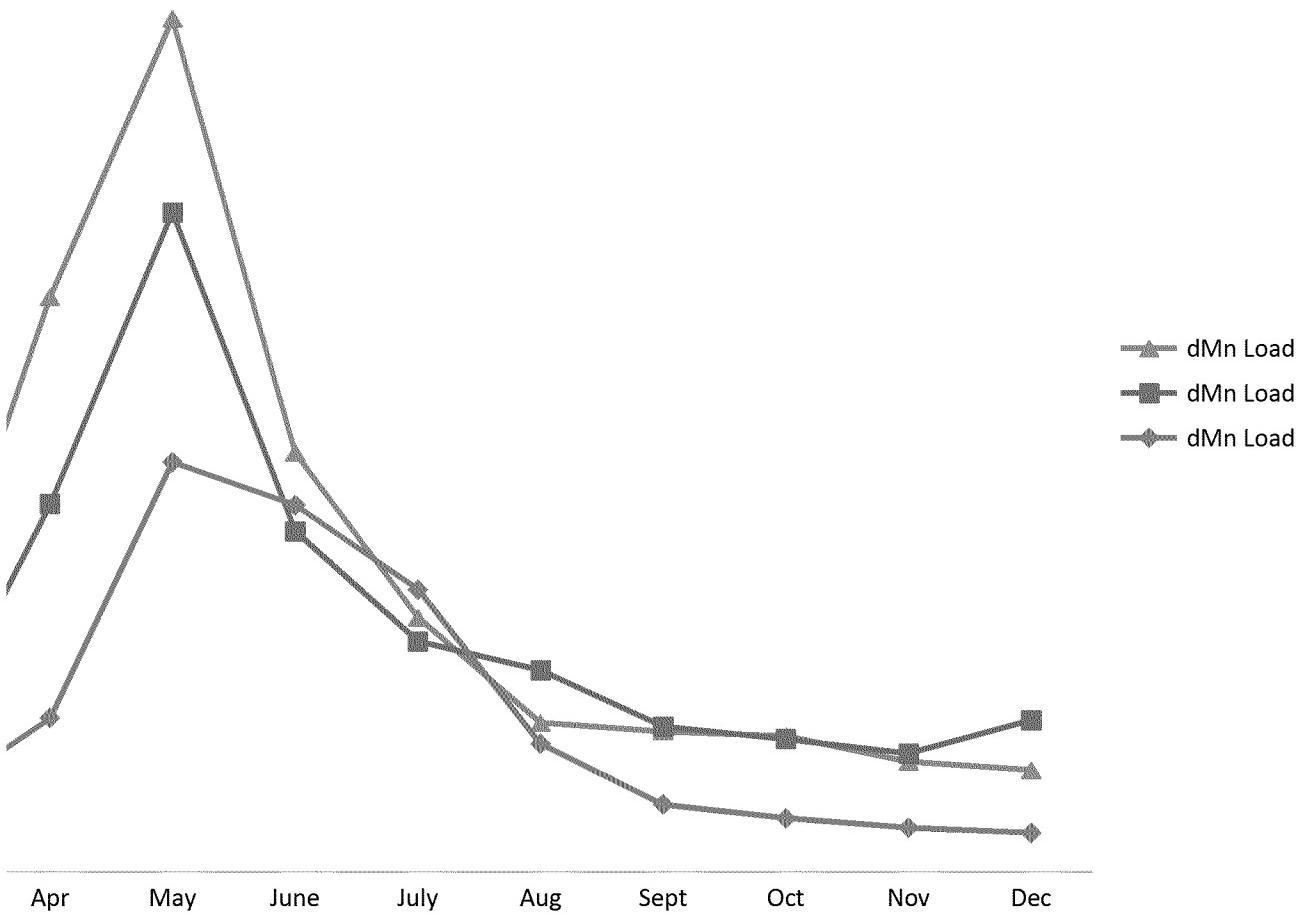
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Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
870	891	1367	1523	709	366	375	465	486	623
1151	1247	1834	2163	1225	444	505	578	651	752
79	141	178	89	76	65	87	111	107	146
1522	1851	1999	1588	1505	1428	1576	1707	1685	1870
24	25	28	56	322	558	420	154	78	48
110	120	210	463	1231	1102	848	386	203	162

Dis Mn Conc. At A68



Dis Mn Load at A68



Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
3250	2701	2752	2995	1128	386	582	972	1047	1466
3940	3457	3298	4095	1353	509	670	1282	1231	1656
181	193	166	207	87	66	71	117	129	146
2009	2055	1953	2102	1574	1433	1469	1740	1794	1873
28	22	26	68	326	492	221	116	77	50
483	322	381	1105	1981	1023	693	606	436	399

Jan.	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct
2959	3113	3373	3864	1333	413	616	889	1328	1476
3148	3445	3890	4803	2101	516	692	1310	1532	1596
164	189	192	159	97	57	80	106	142	148
1945	2040	2571	2179	1632	1371	1534	1683	1856	1881
TVS=		2048	1927						
28	25	36	83	356	565	230	94	59	51
452	423	657	1727	2562	1259	764	449	422	408

#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Nov	Dec
738	864
983	1113
121	194
1758	2057
33	25

133	118
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| 2007-2011
| 1998-2001
|. 2007-2011
| 1991-mid 1996

2007-2011

1998-2001

1991-mid 1996

Nov	Dec
1977	2945
2167	3186
115	204
1730	2090

33	29
----	----

356	456
-----	-----

Nov	Dec
1926	2123
2429	2341
166	191
1952	2047

32	27
----	----

331	306
-----	-----

DATE	CD_DIS
09/05/91	1.10
09/06/91	1.40
09/07/91	1.90
09/09/91	1.10
09/10/91	1.40
12/08/91	1.31
01/15/92	1.22
02/13/92	0.93
03/05/92	1.07
03/16/92	1.25
04/13/92	1.74
04/20/92	1.65
04/30/92	1.34
05/05/92	1.54
05/11/92	1.71
05/18/92	1.35
05/26/92	1.18
06/01/92	1.42
06/08/92	1.21
06/15/92	1.29
06/22/92	1.12
06/23/92	1.40
06/24/92	1.70
06/25/92	1.80
07/14/92	0.90
07/21/92	0.97
07/27/92	1.37
08/10/92	1.23
08/24/92	2.14
9/15/1992	
09/16/92	0.96
10/14/92	0.83
10/14/92	1.20
10/15/92	1.20
11/18/92	0.76
12/16/92	0.93
01/13/93	1.00
02/17/93	0.78
03/10/93	0.88
03/31/93	4.49
04/14/93	5.04

Jan.	Feb	Mar	Apr	May
Cd	Cd	Cd	Cd	Cd
1.22	0.93	1.07	1.74	1.54
1.00	0.78	1.25	1.65	1.71
1.12	1.50	0.88	1.34	1.35
1.12	1.34	4.49	5.04	1.18
		0.05	5.27	4.65
		2.22	4.68	2.92
		1.78	1.86	1.09
		2.01	2.30	0.05
		2.21	1.87	2.38
		2.04	1.70	1.59
		2.72	1.44	
		3.30	2.70	
		2.50	3.21	
				1.61
				1.59
				1.89
				1.54
				0.98
				1.42

COLOR CODE:

1991 1992

All red font are averages of same day samples
Didn't use any RL's greater than 1.0.

04/21/93	5.27
04/29/93	4.68
05/04/93	4.65
05/12/93	2.92
05/26/93	1.09
06/02/93	1.63
06/09/93	2.09
06/16/93	1.10
06/23/93	1.47
07/14/93	1.04
07/20/93	1.04
07/21/93	1.26
07/21/93	0.98
07/28/93	1.12
08/11/93	0.25
08/25/93	1.03
09/15/93	1.26
10/13/93	1.19
11/17/93	1.24
12/15/93	1.53
01/12/94	1.12
03/16/94	<.1
03/30/94	2.22
4/13/1994	-9.00
04/20/94	1.86
04/27/94	2.30
05/03/94	<.1
05/11/94	2.38
05/18/94	1.59
5/24/1994	1.44
06/01/94	1.30
06/08/94	<.1
06/15/94	1.01
06/22/94	0.91
07/13/94	0.86
07/20/94	0.94
07/27/94	0.84
08/10/94	0.86
08/24/94	1.09
09/15/94	1.06
10/13/94	0.93
11/09/94	1.14
11/09/94	1.50
12/13/94	1.16
01/18/95	1.12
02/15/95	1.50
03/01/95	1.78

3/15/1995	2.01
4/6/1995	1.87
4/12/1995	1.70
04/12/95	<5
4/19/1995	2.72
05/03/95	2.70
5/10/1995	3.21
5/22/1995	1.61
05/31/95	1.59
06/07/95	1.17
06/14/95	0.89
06/21/95	0.99
06/21/95	<5
06/28/95	1.16
07/05/95	1.06
7/12/1995	0.75
07/19/95	1.01
08/02/95	0.80
08/16/95	0.73
09/06/95	1.10
9/13/1995	
10/11/95	0.94
11/15/1995	1
11/29/95	0.91
12/13/1995	0.89
02/14/96	1.34
03/13/96	2.21
03/20/96	2.04
4/3/1996	-9.00
04/09/96	3.30
04/10/96	2.50
04/17/96	-9.00
05/01/96	1.89
05/08/96	1.54
05/15/96	0.98
05/21/96	<5
05/29/96	1.42
06/05/96	0.95
06/12/96	0.82
06/18/96	1.00
06/19/96	0.88
06/26/96	0.77
07/03/96	-9.00
07/10/96	0.72
07/16/96	1.00
07/17/96	0.85
08/07/96	0.99

8/14/1996	<5
8/14/1996	1.00
08/21/96	1.02
09/18/96	1.07
10/01/96	1.10
10/16/96	0.74
10/18/1996	1.00
10/23/1996	1.08
11/7/1996	1.00
11/13/1996	1.41
11/19/96	4.14
12/13/1996	2.00
1/7/1997	<5
01/08/97	4.48
01/30/97	4.57
2/5/1997	2.00
02/25/97	3.22
3/5/1997	<5
03/12/97	2.58
03/19/97	3.27
03/25/97	6.72
04/02/97	2.49
4/11/1997	5.00
04/16/97	2.72
4/16/1997	2.61
04/29/97	5.42
04/30/97	2.05
05/07/97	<5
05/14/97	<2
05/21/97	1.08
05/21/97	<2
05/28/97	1.22
05/29/97	<2
06/04/97	0.99
06/05/97	<2
6/10/1997	1.00
6/11/1997	1.15
06/11/97	<2
06/16/97	<2
6/18/1997	0.90
6/25/1997	1.21
06/26/97	<2
07/01/97	<2
7/2/1997	-9.00
07/09/97	1.20
07/15/97	<2
7/16/1997	0.77

07/30/97	<2				
08/12/97	<2				
8/13/1997	0.92				
8/13/1997	1.00				
09/11/97	1.20				
9/11/1997	1.06				
9/17/1997	0.91				
09/25/97	<2				
10/8/1997	2.00				
10/15/1997	0.81				
10/22/97	<2				
11/12/97	1.60				
11/12/1997	1.16				
11/25/97	<2				
12/3/1997	2.00				
12/17/1997	1.40	Jan.	Feb	Mar	Apr
12/23/97	2.81	Cd	Cd	Cd	May
01/07/98	2.30	2.30	0.50	1.19	2.65
2/4/1998	<1	2.00	3.02	2.00	3.00
02/12/98	3.02	1.70	1.00	3.27	4.45
3/4/1998	1.19	2.50	4.85	1.88	3.73
03/05/98	2.00		2.00	2.80	3.72
03/16/98	3.27		1.89	4.21	1.71
3/18/1998	1.88		2.00	1.90	2.00
4/1/1998	2.65			2.16	1.19
04/08/98	3.00			2.40	2.94
4/15/1998	4.45				3.00
04/23/98	3.73				3.00
4/29/1998	3.72				
5/5/1998	2.28				
05/06/98	<2				
05/07/98	2.40				
5/13/1998	1.72				
5/20/1998	1.44				
5/27/1998	1.08				
05/29/98	<2				
06/02/98	<2				
6/3/1998	0.65				
06/09/98	<2				
6/10/1998	0.65				
06/10/98	-1.00				
6/17/1998	0.48				
6/17/1998	0.81				
6/24/1998	0.69				
06/24/98	<2				
07/01/98	0.80				
07/09/98	<2				

COLOR CODE:

1998 1999

All red font are averages of same day samp
Didn't use any RL's greater than 1.0.

7/15/1998	0.79
7/22/1998	0.82
07/22/98	<2
08/05/98	1.00
8/26/1998	0.82
9/2/1998	0.90
09/09/98	1.40
9/16/1998	0.61
09/30/98	<2
10/07/98	1.00
11/03/98	1.80
11/18/1998	1.51
12/02/98	-1.00
01/06/99	2.00
01/06/99	2.00
02/04/99	1.00
02/17/99	<2
2/24/1999	4.85
03/03/99	2.80
3/17/1999	4.21
4/1/1999	1.71
04/07/99	2.00
4/26/1999	1.19
04/29/99	2.94
05/06/99	6.20
06/09/99	-1.00
6/23/1999	<.6
07/07/99	-1.00
8/4/99	0.90
8/4/1999	0.90
08/19/99	<2
9/1/99	1.00
9/16/1999	1.70
10/06/99	<1
10/14/1999	1.08
11/3/1999	1.80
11/17/1999	3.66
12/01/99	1.00
1/5/00	1.70
02/02/00	2.00
2/28/2000	1.89
3/1/00	1.90
3/15/2000	2.16
04/05/00	3.00
5/3/00	1.20
06/07/00	<1
7/5/00	1.00

08/02/00	1.00
9/6/00	1.60
10/04/00	1.00
11/1/00	1.30
12/06/00	3.00
1/3/01	2.50
02/07/01	2.00
3/14/01	2.40
04/04/01	3.00
5/2/01	1.90
06/06/01	<1
7/6/01	0.90
08/01/01	<1
9/5/01	1.50
10/03/01	2.00
11/7/01	1.80
12/05/01	2.00
1/2/02	2.80
3/6/02	1.70
04/03/02	<1
05/01/02	<1
6/5/02	0.30
6/27/2002	1.13
7/3/02	1.30
7/17/2002	1.39
08/07/02	2.00
8/14/2002	1.74
9/4/02	2.00
9/18/2002	1.67
10/02/02	3.00
10/25/2002	2.13
11/6/02	2.00
11/12/2002	2.08
12/04/02	3.00
12/8/2002	2.87
1/8/2003	3.43
1/9/2003	3.00
2/1/2003	2.74
02/05/03	3.00
3/9/2003	2.39
4/24/2003	2.45
5/7/2003	1.90
5/7/2003	1.76
6/2/2003	0
7/2/2003	1.19
7/2/2003	1.17
8/14/2003	1.49

9/11/2003	2.34
9/11/03	
10/4/2003	1.69
11/6/03	2.50
12/29/2003	2.46
3/3/2004	2.40
3/3/04	2.20
4/16/2004	5.43
5/5/2004	2.57
5/5/04	1.70
5/28/2004	0.94
6/17/2004	1.28
7/7/2004	0.95
7/7/04	1.30
8/19/2004	1.80
9/1/04	2.00
9/15/2004	2.47
10/14/2004	0.95
11/10/04	1.88
11/10/04	0.20
12/08/04	2.56
01/20/05	2.08
02/15/05	3.30
03/02/2005	3.6
03/13/05	3.73
04/09/05	3.68
05/04/05	3.41
05/04/2005	2.5
6/9/2005	1.2
7/6/2005	1.03
07/06/2005	1
8/10/05	1.01
9/14/05	1.38
9/14/05	1.38
9/15/2005	1.4
10/13/05	1.5
11/2/05	1.59
11/2/2005	1.7
12/20/05	1.96
1/6/06	2.21
01/06/2006	1.9
2/8/06	2.89
3/7/06	2.89
3/15/06	2.76
03/15/2006	2.8
4/5/06	2.76
4/5/06	4.07

5/10/06	1.43
05/10/2006	1.6
05/16/2006	
6/6/06	4.07
6/6/06	0.98
7/12/06	1
07/12/2006	1.3
8/2/06	0.98
8/2/06	1.38
9/6/06	1
9/6/06	1.35
09/06/2006	1.2
10/11/06	1.43
11/1/06	1.71
11/01/2006	1.9
12/5/06	1.84
1/11/07	1.98
2/6/07	1.96
3/7/07	2.08
03/07/2007	2.1
4/2/07	2.34
4/2/2007	2.34
05/11/2007	<.2
5/11/2007	0.9
6/5/2007	0.78
6/14/07	0.9
07/11/2007	1
7/11/2007	0.97
8/6/2007	1.08
09/05/2007	<10
9/5/2007	1.45
10/25/2007	1.35
10/25/2007	1.35
11/07/2007	1.6
12/5/2007	1.77
01/02/08	2.10
1/2/2008	2.07
03/12/08	4.40
4/10/2008	6.96
05/07/08	1.80
5/7/2008	1.7
6/3/2008	0.78
07/09/08	3.00
7/9/2008	0.94
8/5/2008	0.9
09/03/08	1.4
9/3/2008	1.42

Jan.	Feb	Mar	Apr	May
Cd	Cd	Cd	Cd	Cd
1.98	1.96	2.09	2.34	0.5
2.09	1.8	4.40	6.96	1.75
1.86	2	2.7	2.04	0.73
		1.55	4.1	0.9
		1.6	2.93	1.27
		2.35	3.44	3
		2.7		1.53

COLOR CODE:

2007 2008

All red font are averages of same day samp
Didn't use any RL's greater than 1.0.

10/6/2008	1.48
11/07/08	2.30
11/7/2008	2.19
12/3/2008	1.7
3/4/2009	2.9
3/4/2009	2.5
4/6/2009	2.04
5/13/2009	0.7
5/13/2009	0.76
05/19/09	0.9
6/2/2009	0.87
06/16/09	0.8
7/8/2009	0.57
7/8/2009	0.8
07/14/09	0.8
8/12/2009	0.74
08/18/09	1
9/16/2009	1.5
9/16/2009	1.29
09/22/09	1.2
10/5/2009	1.29
11/4/2009	1.5
11/5/2009	<.1
11/17/09	1.7
12/1/2009	1.42
2/17/2010	1.8
3/2/2010	1.55
3/17/2010	1.6
4/13/2010	4.1
4/16/2010	2.93
5/5/2010	1.30
5/5/2010	1.23
6/2/2010	0.9
6/2/2010	0.81
7/8/2010	0.80
7/8/2010	0.82
7/13/2010	0.8
8/10/2010	1.18
9/9/2010	1.20
9/9/2010	0.91
9/14/2010	1.3
10/4/2010	0.89
11/2/2010	1.4
11/3/2010	1.20
11/3/2010	0.91
12/7/2010	1.26
1/5/2011	1.72

1/5/2011	2.00
2/11/2011	2
3/9/2011	2.17
3/9/2011	2.5
03/15/11	2.7
4/6/2011	3.44
5/4/2011	3
5/8/2011	1.53
6/3/2011	0.78
06/14/11	0.9
7/5/2011	0.71
07/19/11	0.8
8/1/2011	0.68
08/16/11	0.9
9/7/2011	0.78
9/7/2011	1.1
09/13/11	1.1
10/7/2011	1.12
10/18/11	1.1
11/2/2011	1.03
11/2/2011	1.2
12/7/2011	0.97
	1.10

No date

June	July	Aug	Sept	Oct	Nov	Dec
Cd						
1.42	0.90	1.23	1.10	1.02	0.76	1.31
1.21	0.97	2.14	1.40	1.20	1.24	0.93
1.29	1.37	0.25	1.90	1.19	1.53	
1.12	1.04	1.03	1.10	0.93	1	1.16
1.40	1.04	0.86	1.40	0.94	0.91	0.89
1.70	1.12	1.09	0.96			
1.80	1.12	0.80	1.26			
1.63	0.86	0.73	1.06			
2.09	0.94		1.10			
1.10	0.84					
1.47	1.06					
1.30	0.75					
0.05	1.01					
1.01						
0.91						
1.17						
0.89						
0.99						
1.16						
0.95						
0.82						
1.00						
0.88						
0.77						

1993 1994 1995 1996

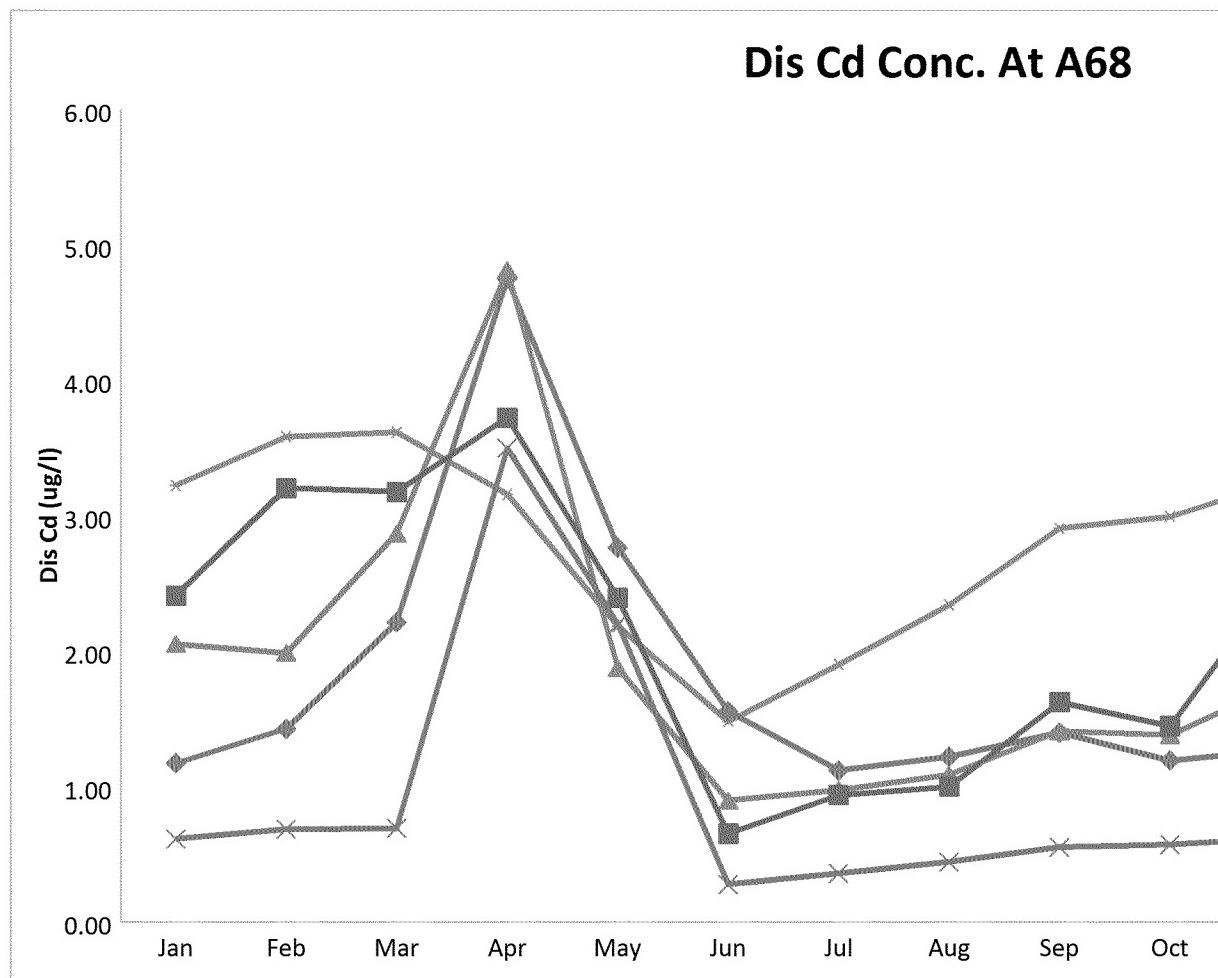
June	July	Aug	Sept	Oct	Nov	Dec
Cd						
0.65	0.80	1.00	0.90	1.00	1.80	1.00
0.65	0.79	0.82	1.40	0.50	1.51	3.00
0.65	0.82	0.90	0.61	1.08	1.80	2.00
0.69	1.00	1.00	1.00	1.00	3.66	
0.30	0.90	0.50	1.70	2.00	1.30	
0.5			1.60			
0.50						

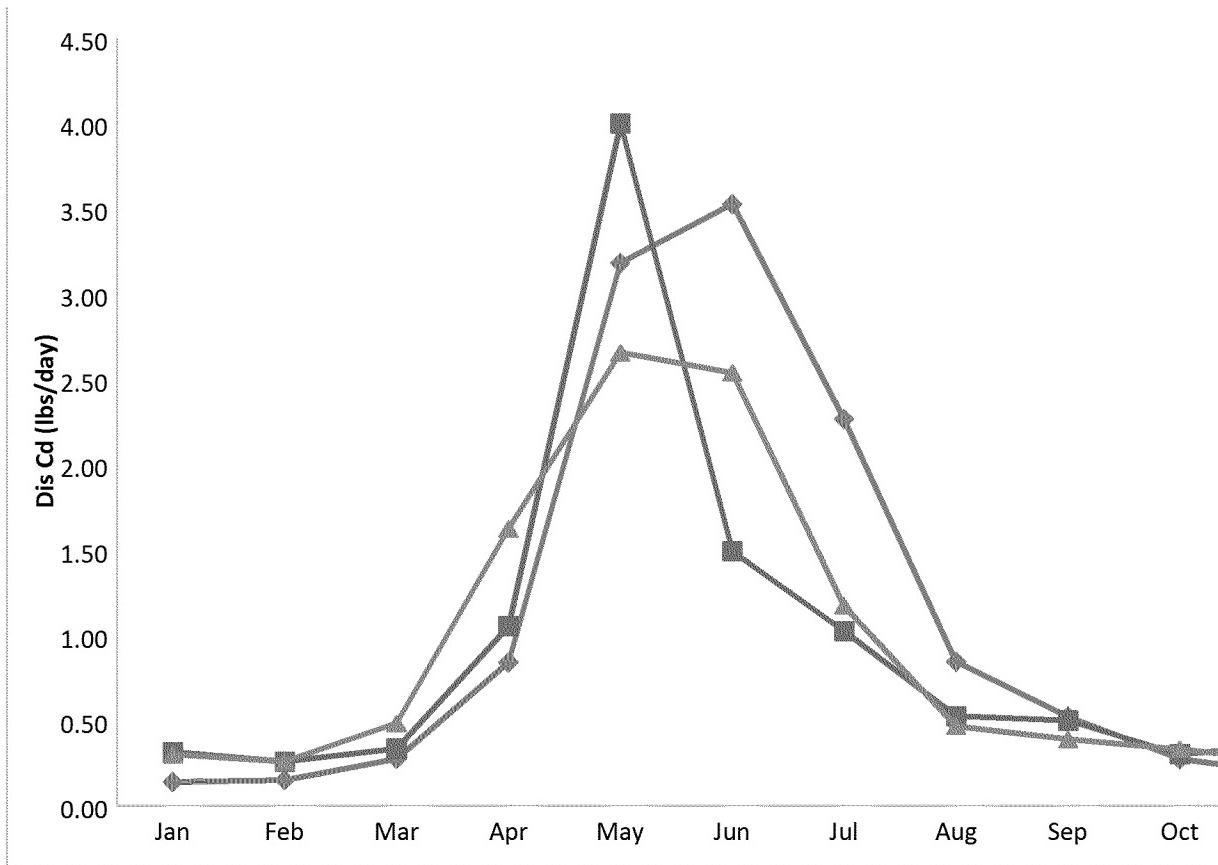
2000 2001

June	July	Aug	Sept	Oct	Nov	Dec
Cd	Cd	Cd	Cd	Cd	Cd	Cd
0.78	0.985	1.08	1.45	1.35	1.6	1.77
0.9	1.97	0.9	1.41	1.48	2.25	1.7
0.78	0.685	0.74	1.395	1.29	1.5	1.42
0.87	0.8	1	1.2	0.89	1.7	1.26
0.8	0.81	1.18	1.06	1.12	1.4	0.97
0.86	0.8	0.68	1.3	1.1	1.06	
0.78	0.71	0.9	0.94		1.15	
0.9	0.8		1.1			

2009 2010 2011

	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 1991-mid 1996	1.12	1.14	1.80	2.77	1.83	1.17	1.00
85th dCd 1991-mid 1996	1.18	1.43	2.22	4.75	2.77	1.56	1.12
Ave. Hardness 1991-mid 1996	79	141	178	89	76	65	87
Cd Standard 1991-mid 1996	0.35	0.55	0.66	0.39	0.34	0.31	0.38
Old Cd Std 1991-mid 1996	1.87	2.89	3.43	2.06	1.83	1.63	2.02
Ave. monthly flows 1991-mid 1996 (cfs)	24	25	28	56	322	558	420
dCd Load 1991-mid 1996 lbs/day	0.14	0.15	0.28	0.84	3.18	3.53	2.27

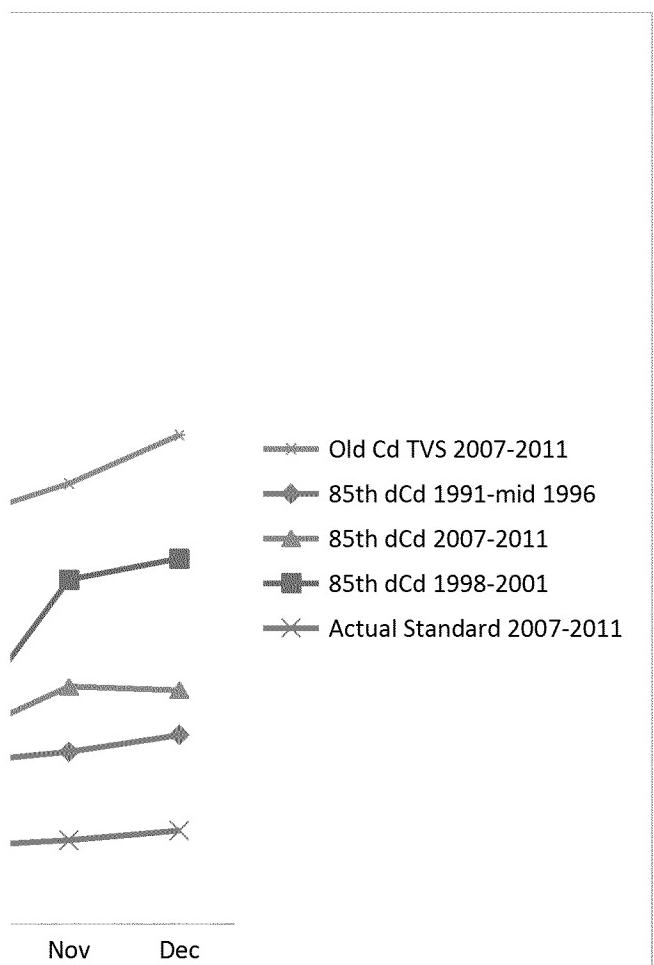


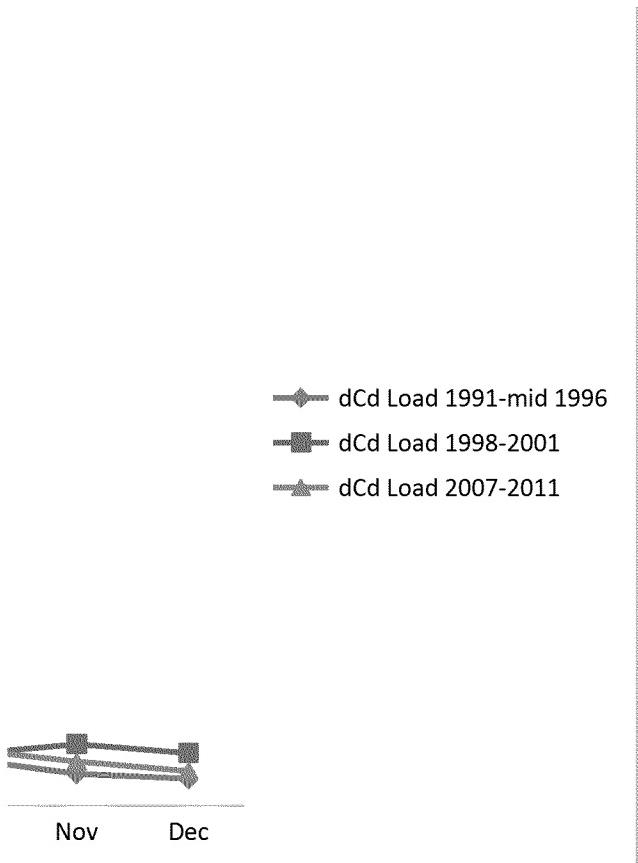


	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 1998-2001	2.13	2.18	2.42	2.85	2.28	0.56	0.86
85th dCd 1998-2001	2.41	3.20	3.18	3.73	2.39	0.65	0.94
Ave. Hardness 1998-2001	181	193	166	207	87	66	71
Cd Standard 1998-2001	0.66	0.70	0.62	0.73	0.38	0.31	0.33
Old Cd Std 1998-2001	3.46	3.64	3.25	3.83	2.02	1.64	1.73
Ave. monthly flows 1998-2001 (cfs)	28	22	26	68	326	492	221
dCd Load 1998-2001 lbs/day	0.32	0.26	0.34	1.05	4.00	1.49	1.03

	Jan	Feb	Mar	Apr	May	Jun	Jul
Ave. dCd 2007-2011	1.98	1.92	2.48	3.64	1.38	0.83	0.95
85th dCd 2007-2011	2.05	1.99	2.87	4.82	1.88	0.90	0.98
Ave. Hardness 2007-2011	164	189	192	159	97	57	80
Actual Standard 2007-2011	0.62	0.69	0.69	3.50	2.20	0.28	0.36
Old Cd TVS 2007-2011	3.22	3.58	3.62	3.16	2.19	1.48	1.90
		TVS=		0.6	0.41		
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230
dCd Load 2007-2011 lbs/day	0.30	0.26	0.48	1.62	2.66	2.54	1.17

Aug	Sep	Oct	Nov	Dec
1.02	1.25	1.06	1.05	1.16
1.22	1.40	1.19	1.27	1.40
111	107	146	121	194
0.46	0.45	0.56	0.49	0.70
2.42	2.35	2.96	2.58	3.65
154	78	48	33	25
0.85	0.52	0.27	0.19	0.16





Aug	Sep	Oct	Nov	Dec
0.84	1.20	1.12	2.01	2.00
1.00	1.63	1.45	2.54	2.70
117	129	146	115	204
0.48	0.51	0.57	0.47	0.72
2.52	2.70	2.96	2.49	3.78
116	77	50	33	29
0.53	0.50	0.30	0.36	0.31

Aug	Sep	Oct	Nov	Dec
0.93	1.23	1.21	1.52	1.42
1.09	1.41	1.38	1.75	1.73
106	142	148	166	191
0.44	0.55	0.57	0.62	0.69
2.34	2.91	3.00	3.25	3.61
94	59	51	32	27
0.47	0.39	0.33	0.26	0.21

DATE CU_DIS

DATE	CU_DIS
09/05/91	6.00
09/06/91	<4
09/07/91	<4
09/09/91	4.00
09/10/91	<4
12/08/91	3.00
01/15/92	2.60
02/13/92	2.90
03/05/92	2.80
03/16/92	3.10
04/13/92	9.50
04/20/92	7.90
04/30/92	14.10
05/05/92	17.50
05/11/92	23.30
05/18/92	11.50
05/26/92	9.20
06/01/92	11.90
06/08/92	9.00
06/15/92	6.10
06/22/92	5.00
06/23/92	6.00
06/24/92	6.00
06/25/92	7.00
07/14/92	4.10
07/21/92	8.00
07/27/92	5.30
08/10/92	6.60
08/24/92	7.30
9/15/1992	
09/16/92	5.50
10/14/92	3.50
10/14/92	<4
10/15/92	2.50
11/18/92	3.80
12/16/92	3.00
01/13/93	4.00
02/17/93	3.20
03/10/93	2.50
03/31/93	10.60
04/14/93	10.40

Jan.	Feb	Mar	Apr	May
Cu	Cu	Cu	Cu	Cu
2.60	2.90	2.80	9.50	17.50
4.00	3.20	3.10	7.90	23.30
1.40	4.00	2.50	14.10	11.50
4.60	5.40	10.60	10.40	9.20
		0.05	10.70	14.50
		1.30	18.00	12.20
		14.60	12.00	12.90
		8.3	7.20	0.05
		3.00	11.80	14.90
		6.00	8.30	16.00
			6.05	16.9
			9.2	9.50
			5.20	9.3
			2.5	16.4
			8.40	7.20
				9.50
				13.50
				6.00
				9.20

COLOR CODE:

1991

1992

All red font are averages of same day sam
Didn't use any RL's greater than 10.

04/21/93	10.70
04/29/93	18.00
05/04/93	14.50
05/12/93	12.20
05/26/93	12.90
06/02/93	11.00
06/09/93	12.50
06/16/93	8.50
06/23/93	6.60
07/14/93	5.30
07/20/93	6.00
07/21/93	3.80
07/21/93	<4
07/28/93	2.90
08/11/93	1.60
08/25/93	3.40
09/15/93	4.80
10/13/93	4.20
11/17/93	4.20
12/15/93	3.60
01/12/94	1.40
03/16/94	<.1
03/30/94	1.30
4/13/1994	12.00
04/20/94	7.20
04/27/94	11.80
05/03/94	<.1
05/11/94	14.90
05/18/94	16.00
5/24/1994	16.9
06/01/94	8.30
06/08/94	1.50
06/15/94	5.30
06/22/94	4.90
07/13/94	4.90
07/20/94	3.90
07/27/94	4.10
08/10/94	2.50
08/24/94	1.80
09/15/94	4.40
10/13/94	6.20
11/09/94	3.10
11/09/94	10.00
12/13/94	3.90
01/18/95	4.60
02/15/95	4.00
03/01/95	14.60

3/15/1995	8.3
4/6/1995	8.30
4/12/1995	11.60
04/12/95	<1
4/19/1995	9.2
05/03/95	9.50
5/10/1995	9.3
5/22/1995	16.4
05/31/95	7.20
06/07/95	14.40
06/14/95	15.30
06/21/95	15.10
06/21/95	6.00
06/28/95	6.80
07/05/95	9.20
7/12/1995	6
07/19/95	8.60
08/02/95	4.60
08/16/95	5.60
09/06/95	<1
9/13/1995	0
10/11/95	6.60
11/15/1995	5.4
11/29/95	9.00
12/13/1995	4.2
02/14/96	5.40
03/13/96	3.00
03/20/96	6.00
4/3/1996	5.20
04/09/96	<5
04/10/96	-9.00
04/17/96	8.40
05/01/96	-9.00
05/08/96	9.50
05/15/96	13.50
05/21/96	6.00
05/29/96	9.20
06/05/96	6.30
06/12/96	6.30
06/18/96	6.00
06/19/96	3.80
06/26/96	3.90
07/03/96	3.90
07/10/96	-9.00
07/16/96	<5
07/17/96	3.40
08/07/96	3.60

8/14/1996	<5
8/14/1996	<1
08/21/96	5.50
09/18/96	2.90
10/01/96	0.00
10/16/96	3.70
10/18/1996	<1
10/23/1996	1.10
11/7/1996	3.00
11/13/1996	4.10
11/19/96	6.11
12/13/1996	4.00
1/7/1997	5.00
01/08/97	<4
01/30/97	4.81
2/5/1997	4.00
02/25/97	4.07
3/5/1997	<5
03/12/97	6.00
03/19/97	9.60
03/25/97	6.54
04/02/97	11.40
4/11/1997	12.00
04/16/97	19.40
4/16/1997	2.60
04/29/97	9.65
04/30/97	7.20
05/07/97	14.00
05/14/97	14.55
05/21/97	12.10
05/21/97	5.96
05/28/97	15.60
05/29/97	9.34
06/04/97	9.70
06/05/97	5.64
6/10/1997	4.00
6/11/1997	6.50
06/11/97	4.55
06/16/97	7.78
6/18/1997	7.10
6/25/1997	4.50
06/26/97	5.01
07/01/97	<4
7/2/1997	9.10
07/09/97	<5
07/15/97	<4
7/16/1997	4.00

07/30/97	<4
08/12/97	<4
8/13/1997	3.60
8/13/1997	<10
09/11/97	<5
9/11/1997	1.10
9/17/1997	4.90
09/25/97	<4
10/8/1997	<10
10/15/1997	5.20
10/22/97	4.12
11/12/97	<5
11/12/1997	4.70
11/25/97	<4
12/3/1997	<10
12/17/1997	5.60
12/23/97	<4
01/07/98	5.00
2/4/1998	<10
02/12/98	<4
3/4/1998	4.20
03/05/98	<5
03/16/98	<4
3/18/1998	4.50
4/1/1998	12.60
04/08/98	10.00
4/15/1998	10.90
04/23/98	6.60
4/29/1998	9.20
5/5/1998	11.90
05/06/98	6.64
05/07/98	9.00
5/13/1998	10.40
5/20/1998	11.20
5/27/1998	8.50
05/29/98	6.69
06/02/98	<4
6/3/1998	6.20
06/09/98	4.81
6/10/1998	6.2
06/10/98	<1
6/17/1998	4.40
6/17/1998	7.5
6/24/1998	3.10
06/24/98	<4
07/01/98	<5
07/09/98	<4

	Jan.	Feb	Mar	Apr	May
	Cu	Cu	Cu	Cu	Cu
01/07/98	5.00	5.00	4.20	12.60	11.90
2/4/1998	2.50	2.00	2.50	10.00	6.64
02/12/98	3.00	0.50	2.00	10.90	9.00
3/4/1998	2.50	2.00	4.50	6.60	10.40
03/05/98	5.10	2.50	9.20	11.20	
03/16/98	3.00	6.6	4.00	8.50	
3/18/1998	3.90	3.00	9.00	6.69	
4/1/1998	2.50	4.40	13.30	10.00	
04/08/98	4.00	6.45	13.00		
4/15/1998	23.00	14.00			
04/23/98	10.00				

COLOR CODE: 1998 1999

All red font are averages of same day sam
Didn't use any RL's greater than 10.

7/15/1998	3.90
7/22/1998	2.70
07/22/98	5.06
08/05/98	<4
8/26/1998	4.20
9/2/1998	<5
09/09/98	<5
9/16/1998	1.00
09/30/98	<4
10/07/98	<1
11/03/98	<5
11/18/1998	8.20
12/02/98	10.00
01/06/99	<5
01/06/99	<5
02/04/99	<1
02/17/99	<4
2/24/1999	5.10
03/03/99	<5
3/17/1999	6.60
4/1/1999	4.00
04/07/99	9.00
4/26/1999	13.30
04/29/99	6.45
05/06/99	10.00
06/09/99	7.00
6/23/1999	5.60
07/07/99	<1
8/4/99	<5
8/4/1999	<5
08/19/99	<4
9/1/99	4.00
9/16/1999	14.30
10/06/99	3.00
10/14/1999	11.20
11/3/99	4.00
11/17/1999	15.40
12/01/99	3.00
1/5/00	3.00
02/02/00	3.00
2/28/2000	3.90
3/1/00	3.00
3/15/2000	4.40
04/05/00	23.00
5/3/00	13.00
06/07/00	3.00
7/5/00	5.00

08/02/00	3.00
9/6/00	<5
10/04/00	5.00
11/1/00	<5
12/06/00	<10
1/3/01	<5
02/07/01	<5
3/14/01	4.00
04/04/01	10.00
5/2/01	14.00
06/06/01	10.00
7/6/01	3.00
08/01/01	<10
9/5/01	12.00
10/03/01	5.00
11/7/01	3.20
12/05/01	<10
1/2/02	4.00
3/6/02	13.00
04/03/02	<10
05/01/02	10.00
6/5/02	1.80
6/27/2002	4.40
7/3/02	6.00
7/17/2002	4.60
08/07/02	<10
8/14/2002	4.30
9/4/02	5.00
9/18/2002	3.60
10/02/02	<10
10/25/2002	4.90
11/6/02	5.00
11/12/2002	4.90
12/04/02	20.00
12/8/2002	4.00
1/8/2003	5.90
1/9/2003	4.00
2/1/2003	5.40
02/05/03	<10
3/9/2003	5.40
4/24/2003	6.90
5/7/2003	9.80
5/7/2003	10.31
6/2/2003	0
7/2/2003	4.00
7/2/2003	4.38
8/14/2003	5.30

9/11/2003	7.50
9/11/03	
10/4/2003	6.60
11/6/03	4.00
12/29/2003	4.20
3/3/2004	3.60
3/3/04	4.00
4/16/2004	13.00
5/5/2004	20.80
5/5/04	17.00
5/28/2004	6.20
6/17/2004	5.00
7/7/2004	2.6
7/7/04	3.00
8/19/2004	5.60
9/1/04	5.00
9/15/2004	7.5
10/14/2004	2.60
11/10/04	2.90
11/10/04	3.00
12/08/04	4.10
01/20/05	2.16
02/15/05	3.71
03/02/2005	4
03/13/05	5.88
04/09/05	7.43
05/04/05	5.78
05/04/2005	7
6/9/2005	7.1
7/6/2005	4.5
07/06/2005	4
8/10/05	3.7
9/14/05	2.7
9/14/05	2.7
9/15/2005	3
10/13/05	7.2
11/2/05	5.4
11/2/2005	4
12/20/05	2.7
1/6/06	4.8
01/06/2006	2
2/8/06	4.3
3/7/06	4.3
3/15/06	3.1
03/15/2006	4
4/5/06	3.1
4/5/06	5.6

	5/10/06	10
05/10/2006		9
05/16/2006		7
	6/6/06	5.6
	6/6/06	4
	7/12/06	2
07/12/2006		3
	8/2/06	4
	8/2/06	4.8
	9/6/06	2
	9/6/06	3.3
09/06/2006		4
	10/11/06	7.5
	11/1/06	4.2
11/01/2006		5
	12/5/06	3.3
	1/11/07	3
	2/6/07	3.1
	3/7/07	1.5
	03/07/2007	3
	4/2/07	3.4
	4/2/2007	3.4
	05/11/2007	10
	5/11/2007	8.3
	6/5/2007	4.3
	6/14/07	<10
	07/11/2007	3
	7/11/2007	3.6
	8/6/2007	4.3
	09/05/2007	<10
	9/5/2007	5.6
	10/25/2007	4.7
	10/25/2007	4.7
	11/07/2007	3
	12/5/2007	3.5
	01/02/08	2.00
	1/2/2008	1.2
	03/12/08	5.00
	4/10/2008	11.9
	05/07/08	8.00
	5/7/2008	12.4
	6/3/2008	6.3
	07/09/08	3.00
	7/9/2008	3.4
	8/5/2008	4.6
	09/03/08	3
	9/3/2008	3.6

	Jan.	Feb	Mar	Apr	May
	Cu	Cu	Cu	Cu	Cu
	3	3.1	2.25	3.4	9.15
	1.60	1.50	5.00	11.9	10.20
		4.2	4.15	5.8	3.15
			5	8.3	7.20
			1.5	8.1	6
			4.15	9.4	7.7
			5		

COLOR CODE:

2007 **2008**

All red font are averages of same day sam
Didn't use any RL's greater than 10.

10/6/2008	5.7
11/07/08	3.00
11/7/2008	2.9
12/3/2008	4.7
3/4/2009	4
3/4/2009	5.1
4/6/2009	5.8
5/13/2009	4
5/13/2009	6.3
05/19/09	4.5
6/2/2009	4.8
06/16/09	3.7
7/8/2009	2.8
7/8/2009	3
07/14/09	<3.0
8/12/2009	3.2
08/18/09	<3.0
9/16/2009	3
9/16/2009	2.6
09/22/09	<3.0
10/5/2009	4.4
11/4/2009	3.00
11/5/2009	<1
11/17/09	<3.0
12/1/2009	3.3
02/17/10	<3.0
3/2/2010	5
3/17/2010	<3.0
4/13/2010	8.3
4/16/2010	8.1
5/5/2010	7.00
5/5/2010	7.4
6/2/2010	<10.0
6/2/2010	4.3
7/8/2010	2.00
7/8/2010	3.7
07/13/10	<10.0
8/10/2010	3.4
9/9/2010	3.00
9/9/2010	3
09/14/10	<10.0
10/4/2010	3
11/02/10	<10.0
11/3/2010	3.00
11/3/2010	2.8
12/7/2010	3.4
1/5/2011	2.2

1/5/2011	2.00
2/11/2011	4.2
3/9/2011	3.3
3/9/2011	5
03/15/11	<10.0
4/6/2011	9.4
5/4/2011	6
5/8/2011	7.7
6/3/2011	6.6
06/14/11	<10.0
7/5/2011	2.8
07/19/11	<20.0
8/1/2011	2.4
08/16/11	<20.0
9/7/2011	<1
9/7/2011	2
09/13/11	<20.0
10/7/2011	2.7
10/18/11	<20.0
11/2/2011	4.1
11/2/2011	2
12/7/2011	2.5

-1.00

Reporting Limit too high to use

No date

June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
11.90	4.10	6.60	6.00	2.75	3.80	3.00
9.00	8.00	7.30	2.00	2.50	4.20	3.00
6.10	5.30	1.60	2.00	4.20	3.60	
5.00	5.30	3.40	4.00	6.20	5.4	3.90
6.00	6.00	2.50	2.00	6.60	9.00	4.2
6.00	2.9	1.80	5.50			
7.00	2.90	4.60	4.80			
11.00	4.90	5.60	4.40			
12.50	3.90		0.50			
8.50	4.10					
6.60	9.20					
8.30	6					
1.50	8.60					
5.30						
4.90						
14.40						
15.30						
10.55						
6.80						
6.30						
6.30						
6.00						
3.80						
3.90						

1993	1994	1995	1996
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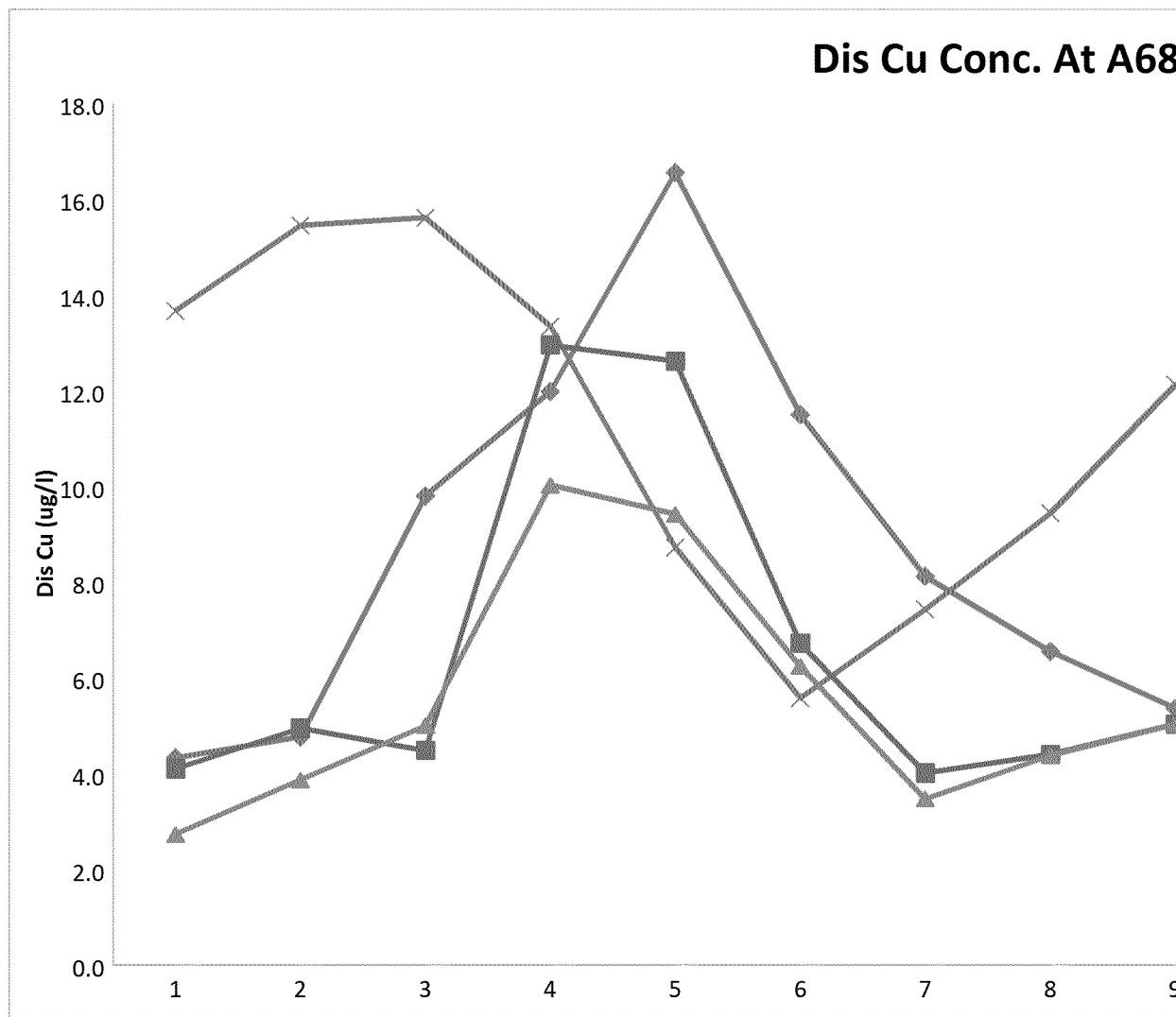
June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
2.00	2.50	2.00	2.50	0.50	2.50	10.00
6.20	2.00	4.20	2.50	3.00	8.20	3.00
4.81	3.90	2.50	1.00	11.20	4.00	5.00
3.35	3.88	2.00	2.00	5.00	15.40	5.00
5.95	0.50	3.00	4.00	5.00	2.50	
2.00	5.00	5.00	14.30			
7.00	3.00		2.50			
5.60						
3.00						
10.00						

2000 2001

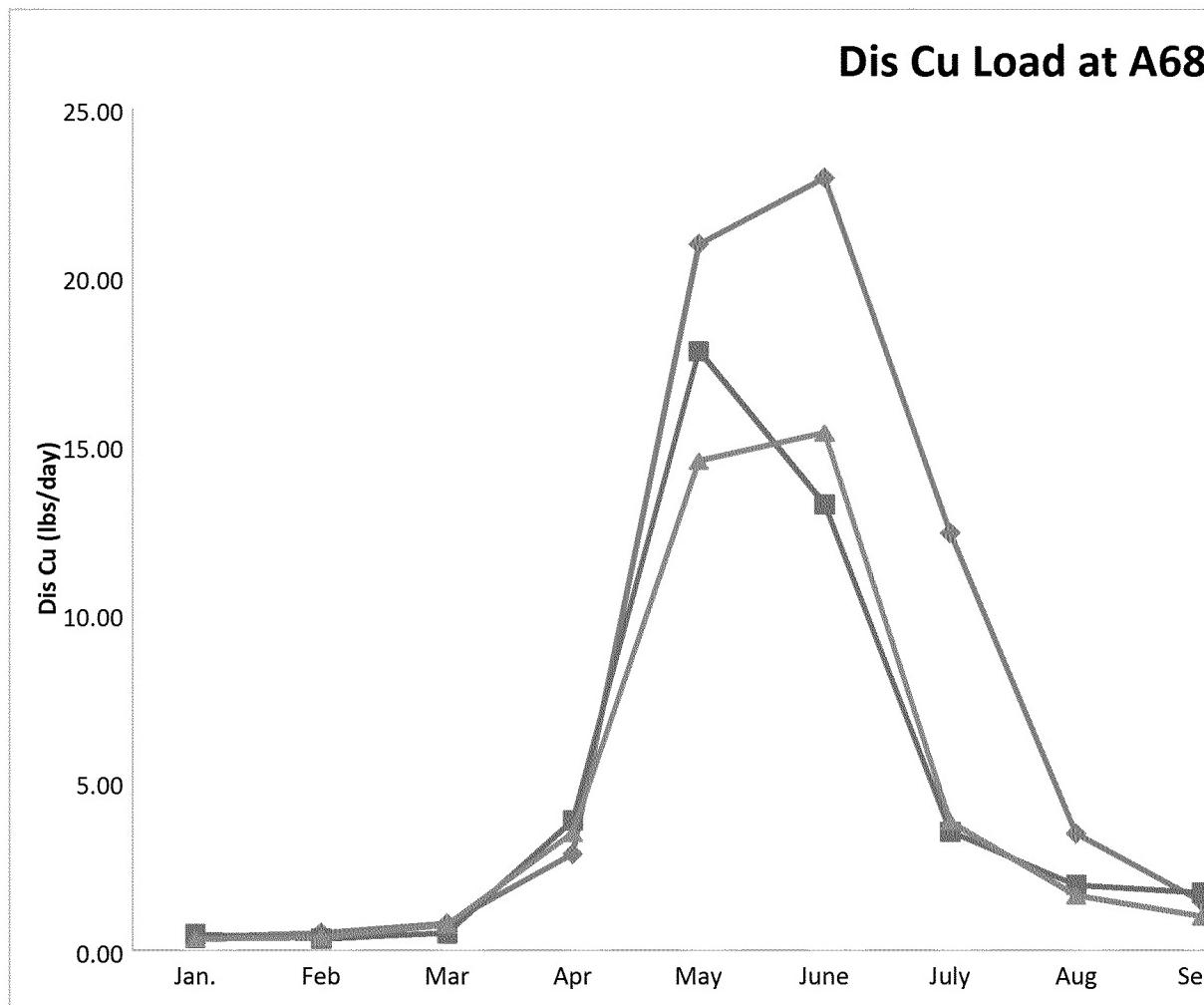
June	July	Aug	Sept	Oct	Nov	Dec
Cu	Cu	Cu	Cu	Cu	Cu	Cu
4.3	3.3	4.3	5.3	4.7	3	3.5
5	3.20	4.6	3.30	5.7	2.95	4.7
6.3	2.90	3.2	3.30	4.4	3.3	3.3
4.8	1.5	1.5	1.5	3	5	3.4
3.7	2.85	3.4	3	2.7	2.90	2.5
4.65	5	2.4	5		3.01	
6.6	2.8					
5						

2009 2010 2011

	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 1991-mid 1996	3.2	3.9	5.2	9.4	12.1	7.6	5.5
85th dCu 1991-mid 1996	4.3	4.8	9.8	12.0	16.6	11.5	8.1
Ave. Hardness 1991-mid 1996	79	141	178	89	76	65	87
Cu TVS 1991-mid 1996	7.3	12.0	14.7	8.1	7.1	6.2	8.0
Ave. monthly flows 1991-mid 1996 (cfs)	23.5	25.0	28.5	56.4	321.9	558.1	419.6
dCu Load 1991-mid 1996 lbs/day	0.40	0.52	0.80	2.86	20.97	22.94	12.39



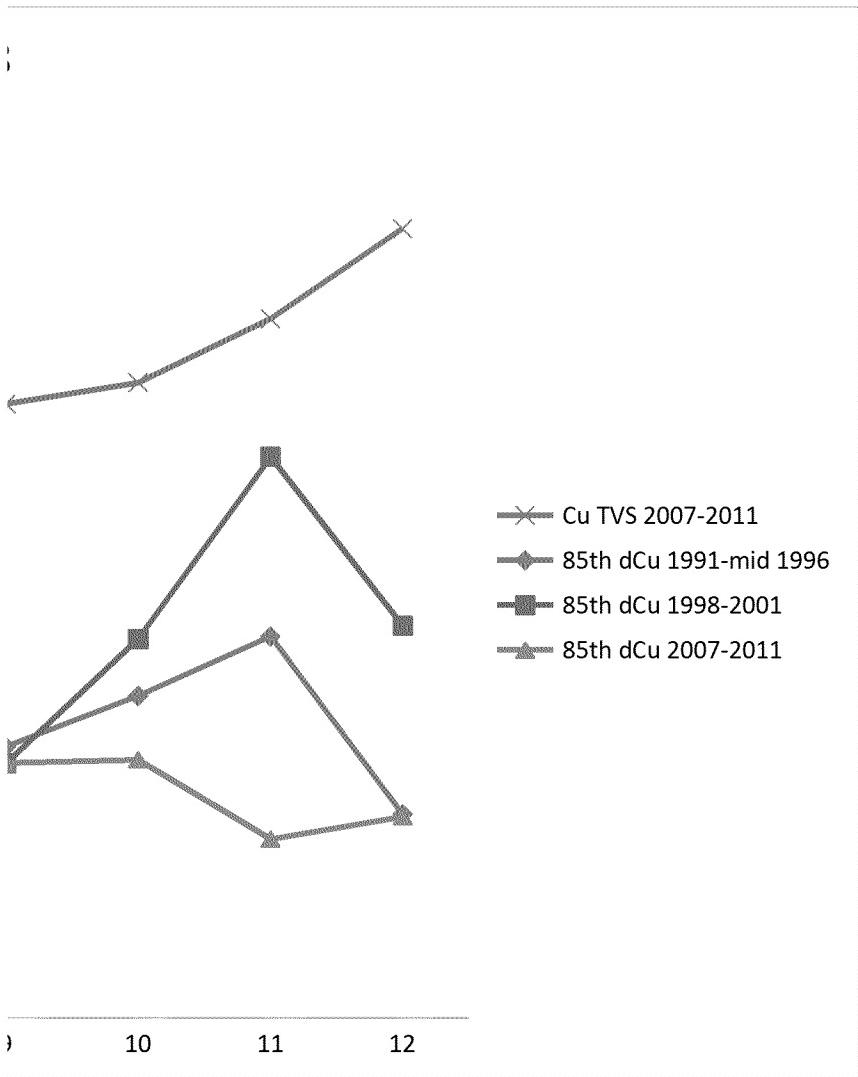
Dis Cu Load at A68

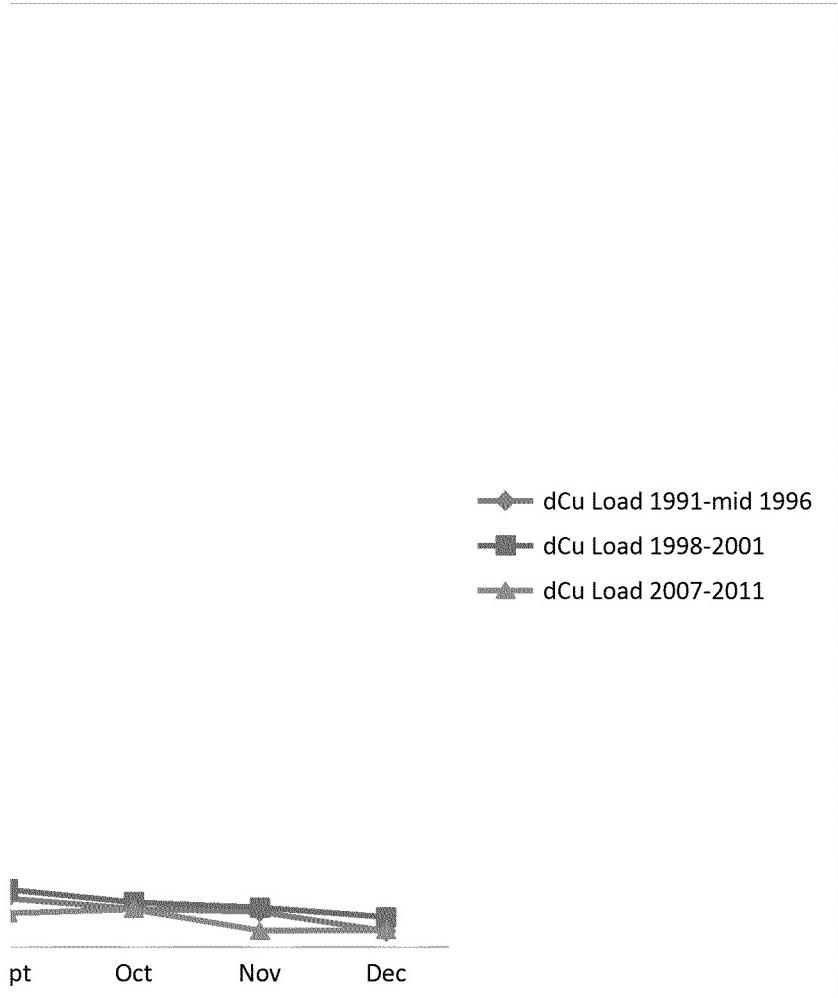


	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 1998-2001	3.3	3.0	3.7	10.5	10.1	5.0	3.0
85th dCu 1998-2001	4.1	4.9	4.5	13.0	12.6	6.7	4.0
Ave. Hardness 1998-2001	181	193	166	207	87	66	71
Cu TVS 1998-2001	14.8	15.7	13.8	16.7	7.9	6.2	6.7
Ave. monthly flows 1998-2001 (cfs)	28	22	26	68	326	492	221
dCu Load 1998-2001 lbs/day	0.48	0.36	0.52	3.86	17.79	13.25	3.53

	Jan.	Feb	Mar	Apr	May	June	July
Ave. dCu 2007-2011	2.2	2.9	3.9	7.8	7.6	5.0	3.1
85th dCu 2007-2011	2.7	3.9	5.0	10.0	9.4	6.2	3.5
Ave. Hardness 2007-2011	164	189	192	159	97	57	80
Cu TVS 2007-2011	13.7	15.4	15.6	13.3	8.7	5.6	7.4
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230
dCu Load 2007-2011 lbs/day	0.34	0.40	0.76	3.49	14.54	15.37	3.82

Aug	Sept	Oct	Nov	Dec
4.2	3.5	4.5	5.8	3.5
6.6	5.4	6.4	7.5	4.0
111	107	146	121	194
9.8	9.5	12.4	10.5	15.8
154.3	77.7	48.1	33.5	25.4
3.47	1.45	1.15	1.04	0.48





Aug	Sept	Oct	Nov	Dec
3.1	4.1	4.9	6.5	5.8
4.4	5.0	7.5	11.1	7.8
117	129	146	115	204
10.3	11.1	12.4	10.1	16.4
116	77	50	33	29
1.94	1.71	1.34	1.17	0.89

Aug	Sept	Oct	Nov	Dec
3.2	3.2	4.1	2.9	3.5
4.4	5.0	5.1	3.5	4.0
106	142	148	166	191
9.4	12.1	12.5	13.8	15.6
94	59	51	32	27
1.63	1.01	1.13	0.50	0.50

DATE FE_TOT

DATE	FE_TOT
09/05/91	99.00
09/06/91	430.00
09/07/91	710.00
09/09/91	74.00
09/10/91	230.00
02/13/92	161.00
03/05/92	204.00
03/16/92	185.00
04/13/92	1039.00
04/20/92	222.00
04/30/92	294.00
05/05/92	236.00
05/11/92	201.00
05/18/92	235.00
05/26/92	135.00
06/01/92	139.00
06/08/92	119.00
06/15/92	193.00
06/22/92	158.00
06/23/92	43.00
06/24/92	130.00
06/25/92	260.00
07/27/92	134.00
08/10/92	159.00
08/24/92	2394.00
9/15/1992	197
09/16/92	781.00
10/14/92	117.00
10/14/92	46.00
11/18/92	112.00
12/16/92	142.00
01/13/93	255.00
02/17/93	263.00
03/10/93	217.00
03/31/93	551.00
04/14/93	5739.00
04/21/93	6037.00
04/29/93	1916.00
05/04/93	1227.00
05/12/93	2392.00
05/26/93	1037.00

Jan.	Feb	Mar	Apr	May
Fe	Fe	Fe	Fe	Fe
255	161	204	1039	236
142	263	185	222	201
153	236	217	294	235
	224	551	5739	135
		594	6037	1227
		247	1916	2392
		378	542	1037
		300	1282	278
		773	338	286
			217	278
			562	406
			301	678
			1385	818
			740	198
			890	358
				462
				653
				600

COLOR CODE:

1991

1992

All red font are averages of same day sam

06/02/93	865.00
06/09/93	130.00
06/16/93	1147.00
06/23/93	736.00
07/20/93	59.00
07/21/93	167.00
07/21/93	58.00
09/15/93	250.00
10/13/93	112.00
11/17/93	154.00
12/15/93	168.00
01/12/94	142.00
03/30/94	594.00
4/13/1994	542.00
04/20/94	1282.00
04/27/94	338.00
05/11/94	278.00
05/18/94	286.00
5/24/1994	278
06/01/94	431.00
06/15/94	146.00
06/22/94	158.00
07/13/94	104.00
07/20/94	132.00
07/27/94	194.00
08/10/94	118.00
08/24/94	125.00
09/15/94	113.00
10/13/94	129.00
11/09/94	159.00
12/13/94	175.00
01/18/95	153.00
02/15/95	236.00
03/01/95	247.00
3/15/1995	378
4/6/1995	217.00
4/12/1995	774.00
04/12/95	350.00
4/19/1995	301
05/03/95	406.00
5/10/1995	678
5/22/1995	818
05/31/95	198.00
06/07/95	545.00
06/14/95	5120.00
06/21/95	924.00
06/21/95	720.00

06/28/95	571.00
07/05/95	187.00
7/12/1995	1878
07/19/95	251.00
08/02/95	133.00
09/06/95	510.00
9/13/1995	473
10/11/95	158.00
11/15/1995	214
11/29/95	438.00
12/13/1995	178
02/14/96	224.00
03/13/96	300.00
03/20/96	773.00
4/3/1996	1385.00
04/09/96	740.00
04/10/96	890.00
05/01/96	358.00
05/08/96	462.00
05/15/96	653.00
05/21/96	600.00
06/05/96	201.00
06/12/96	101.00
07/10/96	206.00
07/16/96	80.00
07/17/96	115.00
08/07/96	193.00
8/14/1996	90.00
08/21/96	204.00
09/18/96	657.00
10/01/96	98.50
10/16/96	181.00
11/13/1996	149.00
11/19/96	115.40
1/7/1997	160.00
01/08/97	154.69
01/30/97	203.06
02/25/97	450.11
3/5/1997	110.00
03/12/97	496.00
03/19/97	1980.00
03/25/97	521.31
04/02/97	394.00
04/16/97	525.00
04/29/97	239.70
04/30/97	667.00
05/07/97	420.00

05/14/97	1063.08
05/21/97	344.00
05/21/97	191.01
05/28/97	114.00
05/29/97	95.96
06/04/97	1426.00
06/05/97	836.77
6/11/1997	168.00
06/11/97	96.79
06/16/97	264.82
6/18/1997	766.00
6/25/1997	322.00
06/26/97	167.13
07/01/97	85.73
7/2/1997	63.00
07/09/97	230.00
07/15/97	184.85
7/16/1997	252.00
07/30/97	200.41
08/12/97	274.33
8/13/1997	141.00
09/11/97	290.00
9/11/1997	251.00
9/17/1997	423.00
09/25/97	257.18
10/15/1997	206.00
10/22/97	64.82
11/12/97	230.00
11/12/1997	270.00
11/25/97	72.41
12/17/1997	301.00
12/23/97	293.23

01/07/98	240.00
02/12/98	628.85
3/4/1998	227.00
03/05/98	240.00
03/16/98	208.65
3/18/1998	262.00
4/1/1998	308.00
4/15/1998	288.00
04/23/98	751.92
4/29/1998	439.00
5/5/1998	317.00
05/06/98	236.76
05/07/98	250.00
5/13/1998	192.00
5/20/1998	309.00

	Jan.	Feb	Mar	Apr	May
	Fe	Fe	Fe	Fe	Fe
240	629	227	308	317	
150	238	240	288	237	
180	340	209	752	250	
180		262	439	192	
		220	423	309	
		368	317	224	
		160		499	
		261		190	
		370		320	
				1000	

5/27/1998	224.00
05/29/98	499.19
06/02/98	770.33
6/3/1998	504.00
06/09/98	97.88
6/10/1998	504
6/17/1998	216.00
6/17/1998	160
6/24/1998	268.00
06/24/98	60.89
07/01/98	160.00
07/09/98	56.69
7/15/1998	124.00
7/22/1998	194.00
07/22/98	124.76
8/26/1998	127.00
9/2/1998	133.00
09/09/98	200.00
9/16/1998	123.00
09/30/98	108.85
11/03/98	110.00
11/18/1998	196.00
01/06/99	150.00
01/06/99	150.00
2/24/1999	238.00
03/03/99	220.00
3/17/1999	368.00
4/1/1999	423.00
4/26/1999	317.00
05/06/99	190.00
6/23/1999	512.30
8/4/99	170.00
8/4/1999	170.00
9/1/99	130.00
9/16/1999	206.00
10/14/1999	1370.00
11/3/99	140.00
11/17/1999	255.00
1/5/00	180.00
2/28/2000	340.00
3/1/00	160.00
3/15/2000	261.00
5/3/00	320.00
7/5/00	210.00
9/6/00	420.00
11/1/00	360.00
1/3/01	180.00

COLOR CODE: 1998 1999

All red font are averages of same day sam

3/14/01	370.00
5/2/01	1000.00
7/6/01	<100
1/2/02	310.00
3/6/02	490.00
6/5/02	30.00
6/27/2002	105.00
7/3/02	<50
7/17/2002	75.00
8/14/2002	67.00
9/4/02	54.00
9/18/2002	67.00
10/25/2002	73.00
11/6/02	111.00
11/12/2002	180.00
12/8/2002	219.00
1/8/2003	277.00
1/9/2003	192.00
2/1/2003	190.00
3/9/2003	267.00
4/24/2003	225.00
5/7/2003	127.00
5/7/2003	172.50
6/2/2003	446
7/2/2003	44.00
7/2/2003	80.80
8/14/2003	1232.00
9/11/2003	224.00
9/11/03	220.00
10/4/2003	99.00
11/6/03	252.00
12/29/2003	275.00
3/3/2004	219.00
3/3/04	287.00
4/16/2004	340.00
5/5/2004	383.00
5/5/04	470.00
5/28/2004	335.00
6/17/2004	129.00
7/7/2004	88
7/7/04	70.00
8/19/2004	179.00
9/1/04	150.00
9/15/2004	144
10/14/2004	88.00
11/10/04	129.00
11/10/04	200.00

12/08/04	176.00
01/20/05	152.91
02/15/05	360.24
03/02/2005	340
03/13/05	292.79
04/09/05	362.17
05/04/05	217.91
05/04/2005	240
6/9/2005	229
7/6/2005	74
07/06/2005	90
8/10/05	111
9/14/05	112
09/15/2005	110
10/13/05	105
11/2/05	107
11/2/2005	150
12/20/05	188
1/6/06	149
01/06/2006	180
2/8/06	221
3/15/06	145
03/15/2006	260
4/5/06	313
5/10/06	113
05/10/2006	180
05/16/2006	
6/6/06	222
7/12/06	75
07/12/2006	80
8/2/06	155
9/6/06	200
09/06/2006	110
10/11/06	118
11/1/06	112
11/01/2006	150
12/5/06	190
1/11/07	165
2/6/07	245
3/7/07	146
03/07/2007	310
4/2/07	232
05/11/2007	270
5/11/2007	162
6/5/2007	322
6/14/07	<100
07/11/2007	70

	Jan.	Feb	Mar	Apr	May
Trec Fe					
165	245	228	232	216	
190	293	270	264	285	
	252	227	452	2218	
		385	225	1100	
		235	222	128	
		218	280	240	
		208		482	

7/11/2007	94
8/6/2007	657
09/05/2007	160
9/5/2007	161
10/25/2007	132
11/07/2007	170
12/5/2007	226
01/02/08	190.00
03/12/08	270.00
4/10/2008	264
05/07/08	330.00
5/7/2008	242
6/3/2008	931
07/09/08	80.00
7/9/2008	64
8/5/2008	114
09/03/08	140
9/3/2008	117
10/6/2008	180
11/07/08	300.00
11/7/2008	112
12/3/2008	225
3/4/2009	240
3/4/2009	214
4/6/2009	452
5/13/2009	2570
5/13/2009	1865
05/19/09	1100
6/2/2009	88
06/16/09	<100
7/8/2009	88
7/8/2009	90
07/14/09	<100
8/12/2009	108
08/18/09	115
9/16/2009	250
9/16/2009	108
09/22/09	151
10/5/2009	181
11/4/2009	150.00
11/5/2009	323
11/17/09	234
12/1/2009	292
2/17/2010	293
3/2/2010	385
03/17/10	235
4/13/2010	225

COLOR CODE:

2007 2008

All red font are averages of same day sam

4/16/2010	222
5/5/2010	120.00
5/5/2010	135
6/2/2010	376
6/2/2010	338
7/8/2010	90.00
7/8/2010	93
7/13/2010	<100
8/10/2010	145
9/9/2010	140.00
9/9/2010	134
9/14/2010	129
10/4/2010	135
11/2/2010	169
11/3/2010	150.00
11/3/2010	135
12/7/2010	174
1/5/2011	52
1/5/2011	90.00
2/11/2011	252
3/9/2011	86
3/9/2011	350
03/15/11	208
4/6/2011	280
5/4/2011	240
5/8/2011	482
6/3/2011	386
06/14/11	544
7/5/2011	126
07/19/11	189
8/1/2011	86
08/16/11	116
9/7/2011	110
9/7/2011	120
09/13/11	158
10/7/2011	183
10/18/11	169
11/2/2011	184
11/2/2011	210
12/7/2011	402

98.50

No Date

June	July	Aug	Sept	Oct	Nov	Dec
Fe	Fe	Fe	Fe	Fe	Fe	Fe
139	134	159	99	82	112	142
119	59	2394	430	112	154	168
193	113	118	710	129	159	175
158	104	125	74	158	214	178
43	132	133	230		438	
130	194		197			
260	187		781			
865	1878		250			
130	251		113			
1147				510		
736				473		
431						
146						
158						
545						
5120						
822						
571						
201						
101						

1993 1994 1995 1996

June	July	Aug	Sept	Oct	Nov	Dec
Fe	Fe	Fe	Fe	Fe	Fe	Fe
770	160	127	133	1370	110	
504	57	170	200		196	
98	124		123		140	
504	159		109		255	
188	210		130		360	
164	50		206			
512			420			

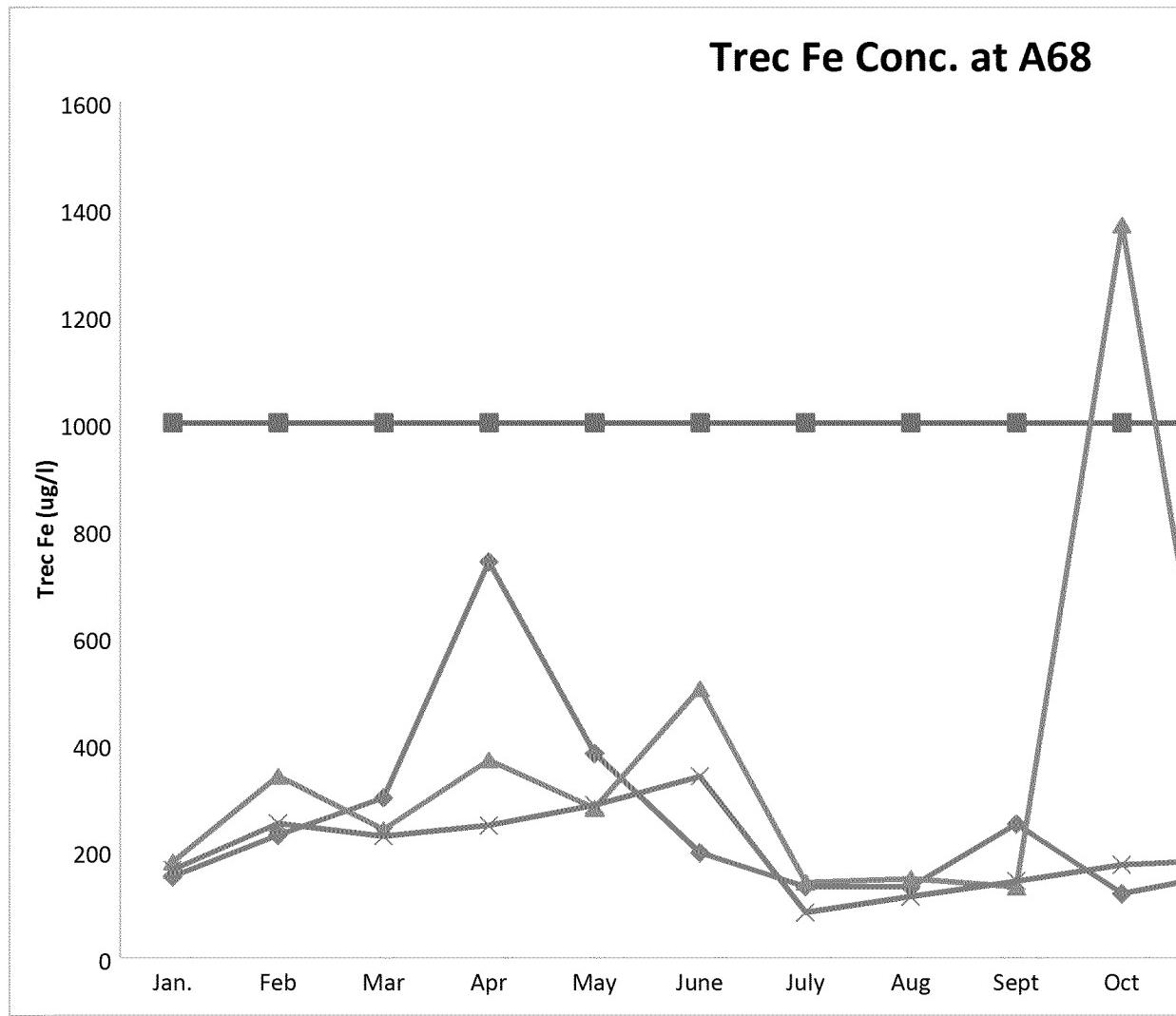
2000 2001

June	July	Aug	Sept	Oct	Nov	Dec
Trec Fe						
322	82	657	161	132	170	226
50	72	114	129	180	206	225
931	89	108	179	181	150	292
88	50	115	151	135	323	174
50	92	145	137	183	234	402
357	50	86	129	169	169	
386	126	116	115		143	
544	189		158		143	

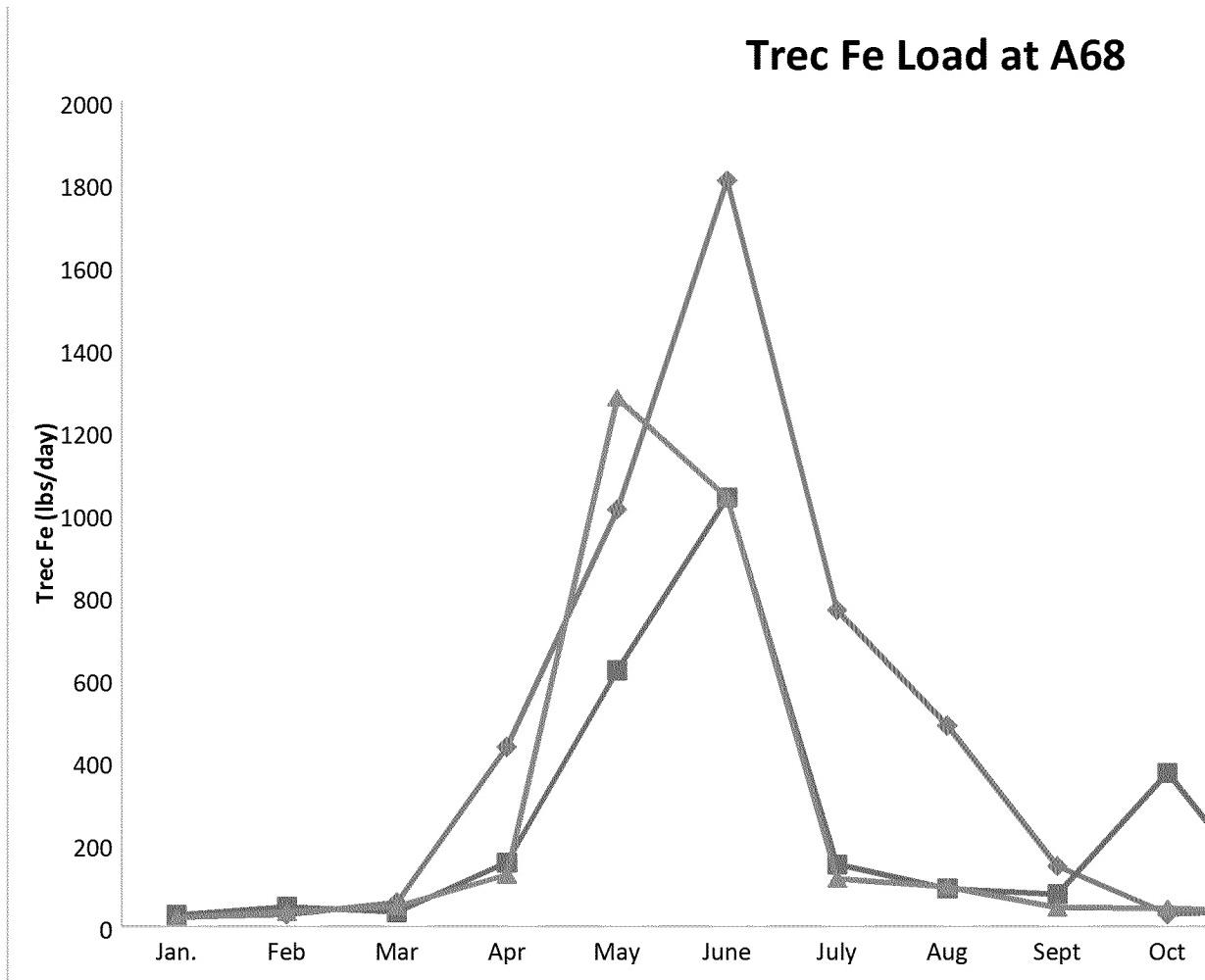
2009 **2010** **2011**

	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 1991-mid 1996	183	221	383	1434	582	601	339
50th Trec Fe 1991-mid 1996	153	230	300	740	382	197	134
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows 1991-mid 1996 (cfs)	24	25	28	56	322	558	420
Trec Fe Load 1991-mid 1996 lbs/day	23	30	59	436	1010	1808	767

Trec Fe Conc. at A68



Trec Fe Load at A68



	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 1998-2001	188	402	257	421	354	392	127
50th Trec Fe 1998-2001	180	340	240	370	280	504	142
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows 1998-2001 (cfs)	27.6	22.1	25.7	68.5	325.6	492.3	220.6
Trec Fe Load 1998-2001 lbs/day	28	48	36	155	621	1039	151

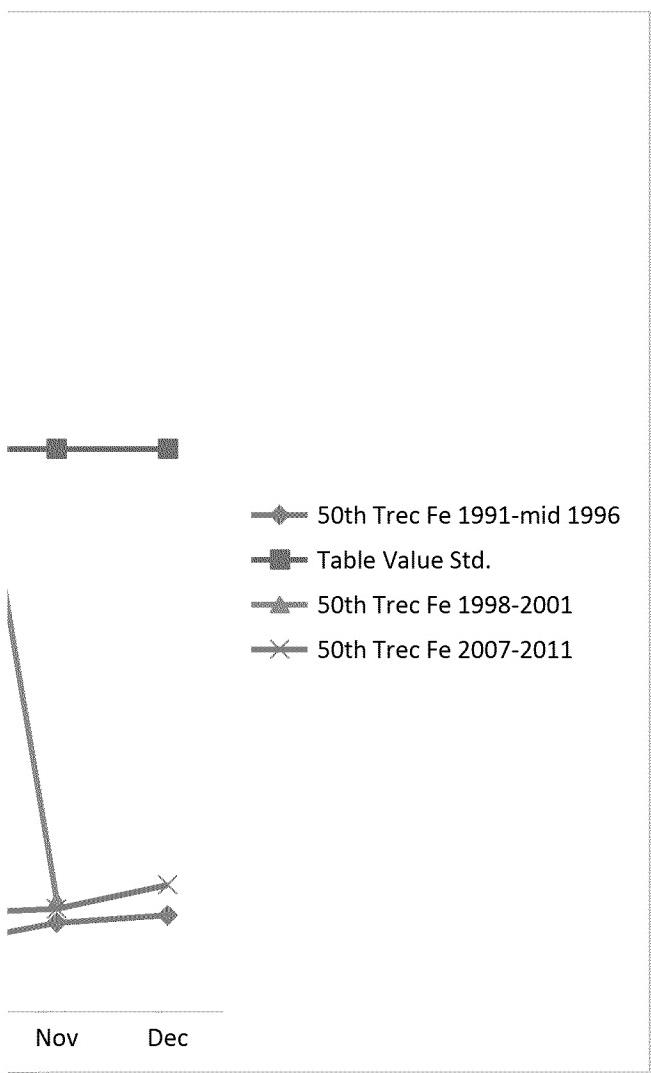
	Jan.	Feb	Mar	Apr	May	June	July
Ave Trec Fe 2007-2011	142	263	253	279	667	341	94
50th Trec Fe 2007-2011	165	252	228	248	286	340	86
Table Value Std.	1000	1000	1000	1000	1000	1000	1000
Ave. monthly flows 2007-2011 (cfs)	28	25	36	83	356	565	230
Trec Fe Load 2007-2011 lbs/day	22	36	49	125	1282	1039	116

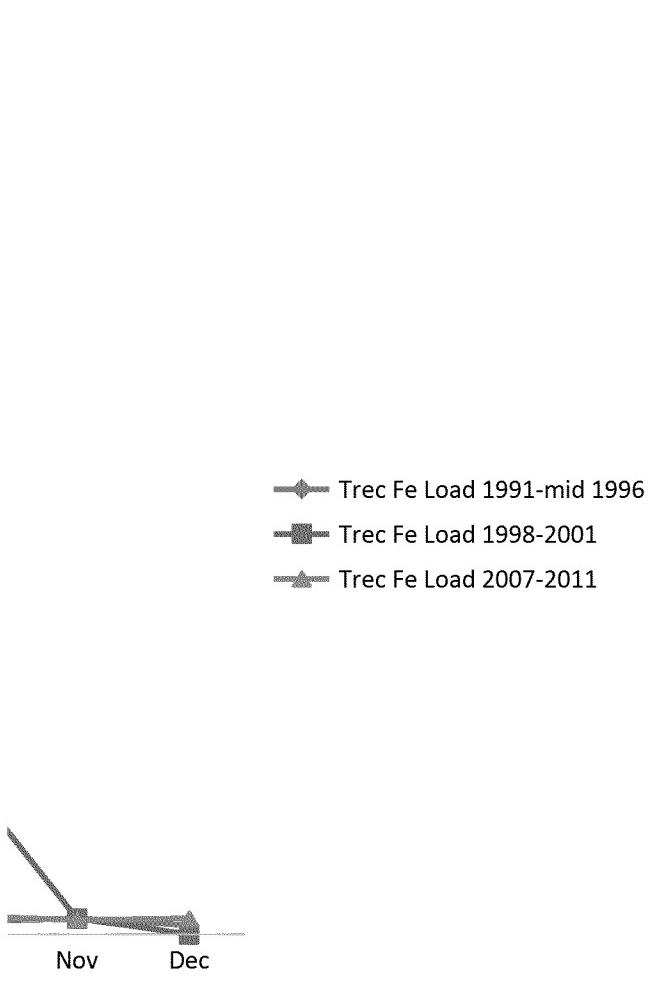
	A-68 Monthly Total Recoverable Iron Averages						
	Jan.	Feb	Mar	Apr	May	June	July
	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe	Trec Fe
2007-2011	142.00	263.33	253.00	279.17	667.00	341.00	93.69
85% Trec Fe 2007-2011	182.50	280.70	281.50	323.00	1211.75	536.10	124.28

	A-68 Monthly Average Flows (cfs)						
	Jan.	Feb	Mar	Apr	May	June	July
2007-2011	28.3	25.2	36.1	82.9	356.4	565.1	230.0

	A-68 Monthly Ave Total Recoveravle Fe Loading lb/day						
	Jan.	Feb	Mar	Apr	May	June	July
2007-2011	21.68	35.75	49.30	124.77	1281.56	1038.84	116.18

Aug	Sept	Oct	Nov	Dec
586	352	120	215	166
133	250	121	159	172
1000	1000	1000	1000	1000
154	78	48	33	25
487	147	31	39	23





Aug	Sept	Oct	Nov	Dec
149	189	1370	212	
149	133	1370	196	
1000	1000	1000	1000	1000
115.6	77.3	50.5	33.4	28.7
93	79	373	38	0

Aug	Sept	Oct	Nov	Dec
192	145	163	199	264
115	144	175	184	226
1000	1000	1000	1000	1000
94	59	51	32	27
97	46	45	34	38

recoverable Iron Averages

Aug	Sept	Oct	Nov	Dec
Trec Fe				
191.57	144.75	163.33	198.94	263.80
196.20	160.38	181.50	232.60	336.00

average Flows (cfs)

Aug	Sept	Oct	Nov	Dec
93.7	59.0	51.2	31.9	26.8

recoverable Fe Loading lb/day

Aug	Sept	Oct	Nov	Dec
96.73	46.03	45.11	34.21	38.04

DATE PB_DIS

09/05/91<5
09/06/91<5
09/07/915.00
09/09/91<5
09/10/91<5
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02/13/92<1
03/05/92<1
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04/29/93 21.00
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4/6/1995	0.00
4/12/1995	0.00
04/12/95	<.2
4/19/1995	0
05/03/95	<1
5/10/1995	0
5/22/1995	1
05/31/95	<1
06/07/95	1.80
06/14/95	4.60
06/21/95	<1
06/21/95	<.2
06/28/95	7.60
07/05/95	55.50
7/12/1995	0
07/19/95	1.30
08/02/95	<1
08/16/95	1.00
09/06/95	<.2
9/13/1995	0
10/11/95	1.30
11/15/1995	0
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02/14/96	<1
03/13/96	<1
03/20/96	<1
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04/17/96	-9.00
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05/15/96	<1
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05/04/2005 <1
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4/5/06 <3

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03/07/2007	<1
4/2/07	<3
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6/5/2007	<3
6/14/07	<1
07/11/2007	<1
7/11/2007	3.4
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10/25/2007	3.5
10/25/2007	3.5
11/07/2007	<1
12/5/2007	<3
01/02/08	<1
1/2/2008	<3
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05/07/08	<1
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07/09/08	<1
7/9/2008	<3
8/5/2008	3.3
09/03/08	<1

Includes questionable CDOW data and uses reporting limits up

Jan.	Feb	Mar	Apr	May	June	July
Pb	Pb	Pb	Pb	Pb	Pb	Pb
1.5	1.5	1	1.5	2.5	1.5	1.95
1	0.5	0.5	1.5	1	0.5	1
	1.5		3.7		4	
		1.5	0.5	1.25	3	0.50
		0.5	1.5	0.5	0.5	2.35
			1.5	1.5	1	0.5
		0.5			1.5	1.5
					0.5	0.5

COLOR CODE:

2007 2008 2009

All red font results are averages of sam
Cross-hatched cells include questiona
Only used RL's below or equal to 3.0.

Does not Included questionable CDOW data and uses r

Jan.	Feb	Mar	Apr	May	June	July
Pb	Pb	Pb	Pb	Pb	Pb	Pb
0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.5		0.5		0.5	0.5	0.5

9/3/2008	4.3
10/6/2008	4.6
11/07/08	1.00
11/7/2008	4.6
12/3/2008	4.7
3/4/2009	<1
3/4/2009	4.6
4/6/2009	3.7
5/13/2009	<1
5/13/2009	3.3
05/19/09	<1.0
6/2/2009	3
06/16/09	<1.0
7/8/2009	<3
7/8/2009	<1
07/14/09	<1.0
8/12/2009	<3
08/18/09	<1.0
9/16/2009	<1
9/16/2009	<3
09/22/09	<1.0
10/5/2009	<3
11/4/2009	<1
11/5/2009	<3
11/17/09	<1.0
12/1/2009	<3
02/17/10	<1.0
3/2/2010	<3
03/17/10	<1.0
4/13/2010	<1.0
4/16/2010	<3
5/5/2010	1.00
5/5/2010	<3
06/02/10	<1.0
6/2/2010	<3
7/8/2010	<1
7/8/2010	4.2
07/13/10	<1.0
8/10/2010	<3
9/9/2010	<1
9/9/2010	<3
09/14/10	<1.0
10/4/2010	<3
11/02/10	<1.0
11/3/2010	2.00
11/3/2010	<3
12/7/2010	<3

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0.5
0.5

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		0.5
		0.5

COLOR CODE:

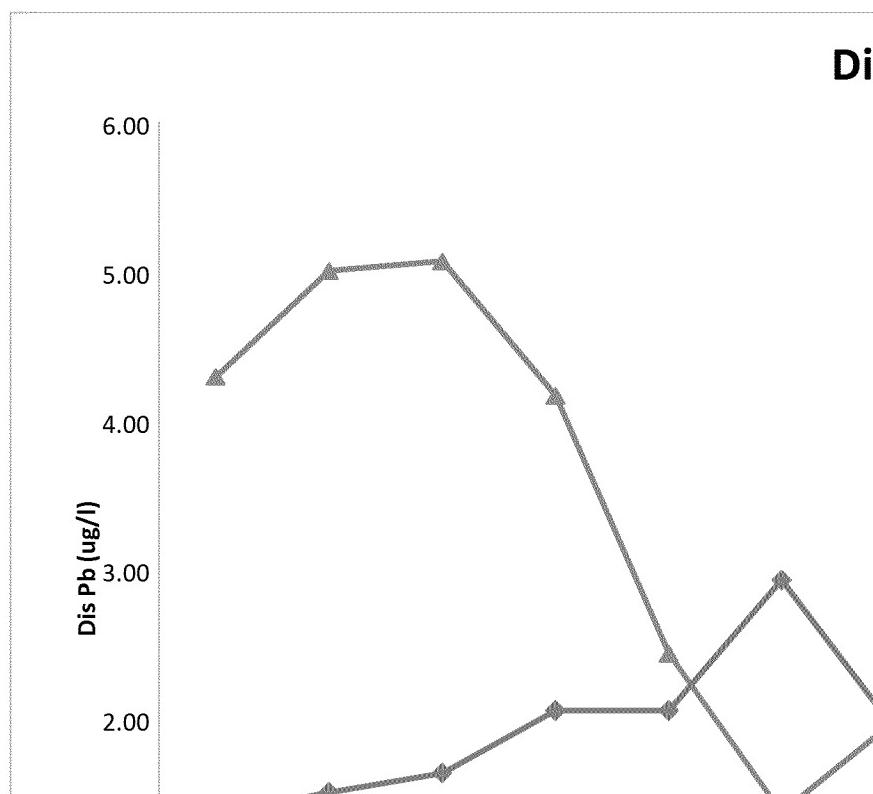
2007	2008	2009
------	------	------

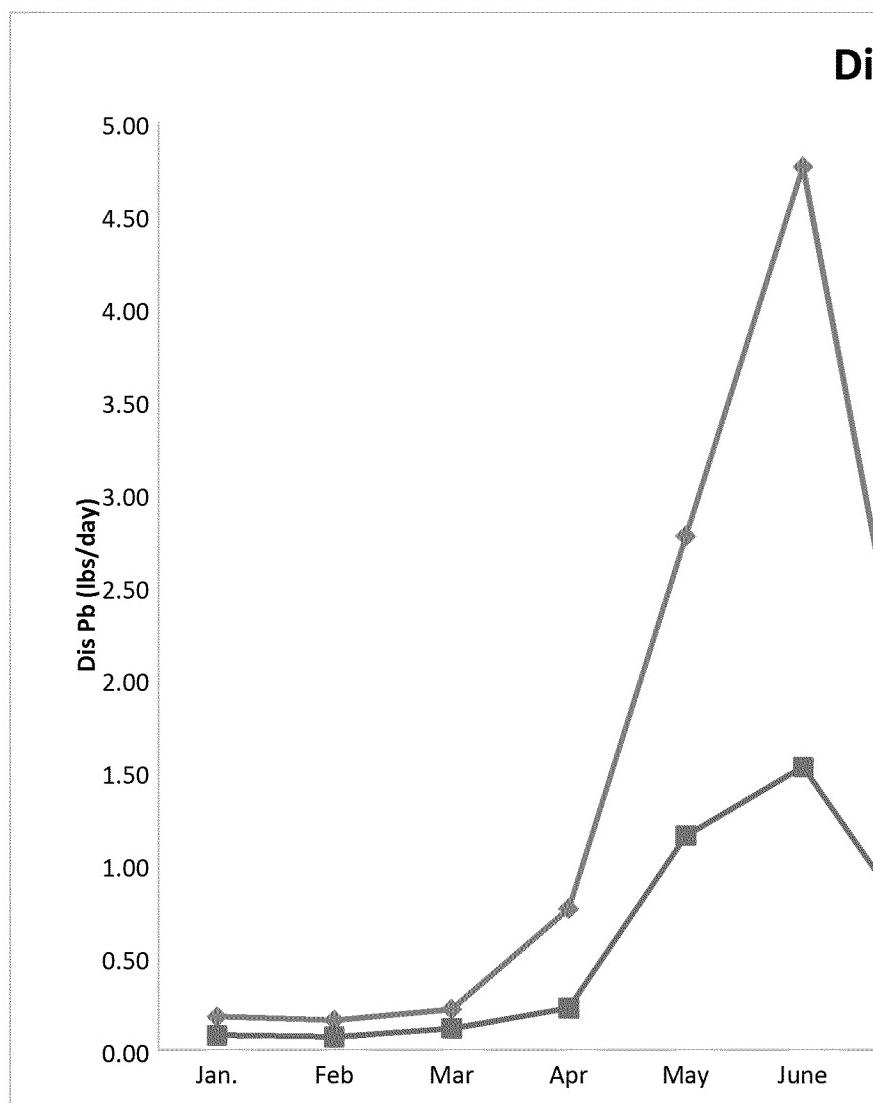
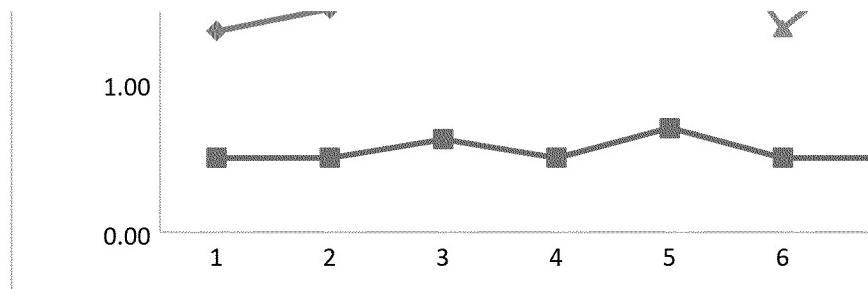
All red font results are averages of same day sam
Only used RL's below or equal to 1.0.

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1/5/2011	<1
2/11/2011	<3
3/9/2011	<3
3/9/2011	<1
03/15/11	<1.0
4/6/2011	<3
5/4/2011	<1
5/8/2011	<3
6/3/2011	<3
06/14/11	<1.0
7/5/2011	<3
07/19/11	<1.0
8/1/2011	<3
08/16/11	<1.0
9/7/2011	<3
9/7/2011	<1
09/13/11	<1.0
10/7/2011	<3
10/18/11	<1.0
11/2/2011	<3
11/2/2011	<1
12/7/2011	<3
	<3

No Date

	Jan.
85% DPb 2007-2011 with Questionable DOW data	1.35
85% DPb 2007-2011 without Questionable DOW data	0.50
Ave. Hardness 2007-2011	164
Table Value Std. 2007-2011	4.29
Average Pb 2006-2011 with Questionable DOW data	1.17
Average Pb 2006-2011 without Questionable DOW data	0.50
Ave. monthly flows 2007-2011 (cfs)	28
dPb Load 2007-2011 with Questionable DOW data lbs/day	0.18
dPb Load 2007-2011 without Questionable DOW data lbs/day	0.08





Aug	Sept	Oct	Nov	Dec	Jan.
Pb	Pb	Pb	Pb	Pb	
1.5	1.5	3.5	0.5	1.5	
3.3	2.4	4.6	2.8	4.7	
1.5		1.5	1.5	1.5	
1.5	0.50	1.5	0.50	1.5	
1.5	1.5	1.5	0.5	1.5	
0.5	0.5	0.5	1.75		
			0.5		

2010 2011

Aug	Sept	Oct	Nov	Dec	Jan.
Pb	Pb	Pb	Pb	Pb	
0.5	0.5	3.5	0.5		
	0.5	0.5	1		
	0.50		0.50		

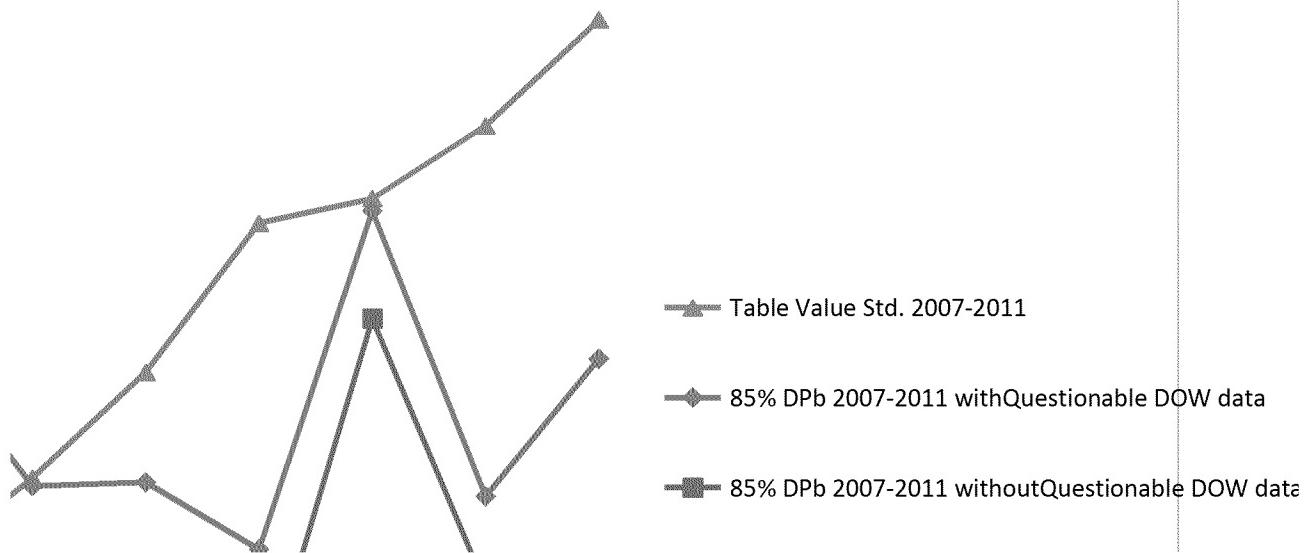
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0.5

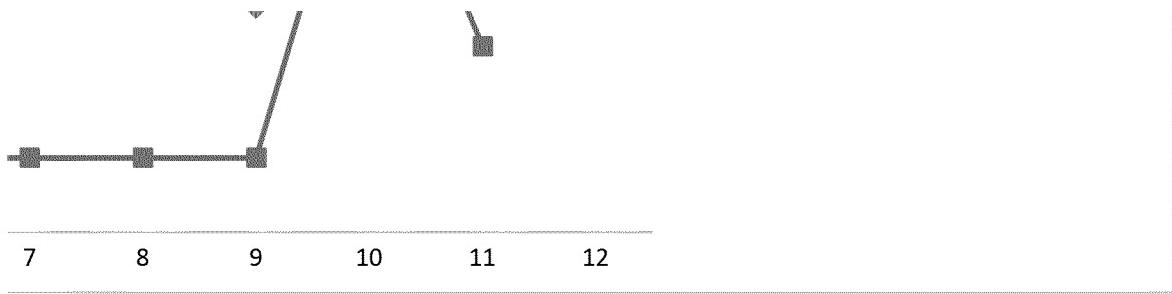
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2
0.5

2010 2011

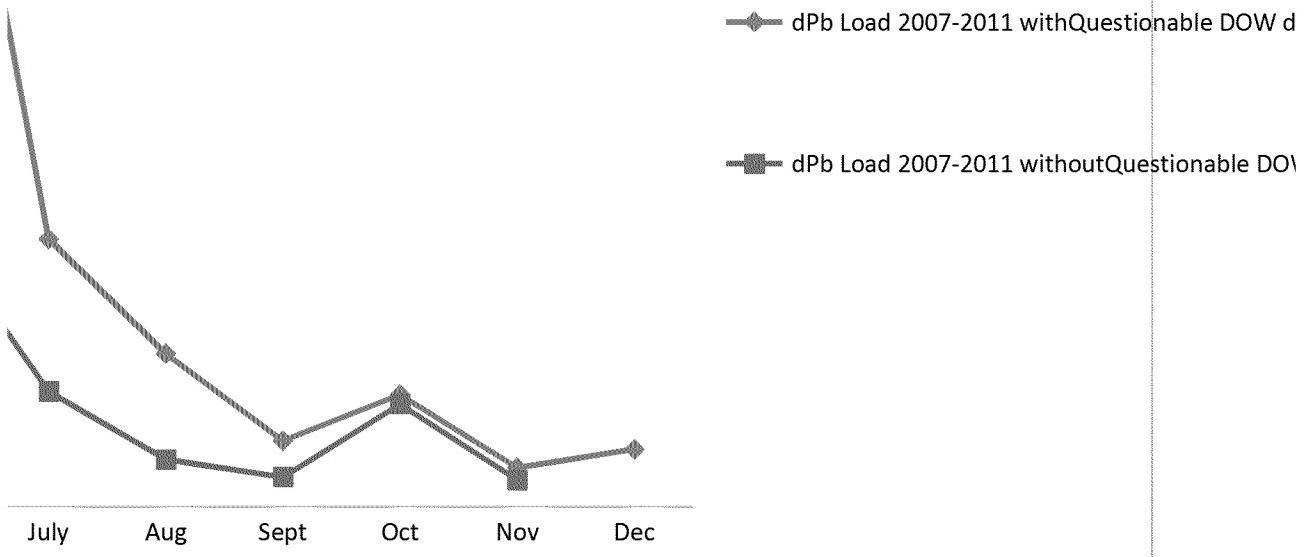
Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
1.50	1.63	2.05	2.05	2.93	1.93	1.95	1.50	3.78	1.86
0.50	0.63	0.50	0.70	0.50	0.50	0.50	0.50	3.05	1.25
189	192	159	97	57	80	106	142	148	166
5.00	5.07	4.16	2.43	1.37	1.98	2.69	3.69	3.86	4.35
1.17	1.11	1.70	1.44	1.56	1.16	1.63	1.11	2.18	1.22
0.50	0.58	0.50	0.60	0.50	0.50	0.50	0.50	2.00	0.83
25	36	83	356	565	230	94	59	51	32
0.16	0.22	0.76	2.77	4.76	1.44	0.82	0.35	0.60	0.21
0.07	0.11	0.22	1.15	1.52	0.62	0.25	0.16	0.55	0.14

s Pb Conc. At A68





s Pb Load at A68



Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
1.17	1.11	1.70	1.44	1.56	1.16	1.63	1.11	2.18	1.22
1.50	1.63	2.05	2.05	2.93	1.93	1.95	1.50	3.78	1.86
189	192	159	97	57	80	106	142	148	166
5.00	5.07	4.16	2.43	1.37	1.98	2.69	3.69	3.86	4.35

Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
0.50	0.58	0.50	0.60	0.50	0.50	0.50	0.50	2.00	0.83
0.50	0.63	0.50	0.70	0.50	0.50	0.50	0.50	3.05	1.25
189	192	159	97	57	80	106	142	148	166
5.00	5.07	4.16	2.43	1.37	1.98	2.69	3.69	3.86	4.35

Dec
2.78

191
5.06
2.14

27

0.31

1

Dec
2.14
2.78

191
5.06

Dec

191
5.06

DATE	AL_TOT
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09/06/91	270.0
09/07/91	310.0
09/09/91	110.0
09/10/91	180.0
12/08/91	
01/15/92	
02/13/92	
03/05/92	
03/16/92	
04/13/92	
04/20/92	
04/30/92	
05/05/92	
05/11/92	
05/18/92	
05/26/92	
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06/08/92	
06/15/92	
06/22/92	
06/23/92	-9.0
06/24/92	-9.0
06/25/92	-9.0
07/14/92	
07/21/92	
07/27/92	
08/10/92	
08/24/92	
9/15/1992	
09/16/92	
10/14/92	
10/14/92	-9.0
10/15/92	-9.0
11/18/92	
12/16/92	
01/13/93	
02/17/93	
03/10/93	
03/31/93	
04/14/93	

Jan.	Feb	Mar	Apr	May	June	July
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230.0	500.0	129.0
300.0		

COLOR CODE:

1991	1992	1993	1994
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All red font are averages of same day samples

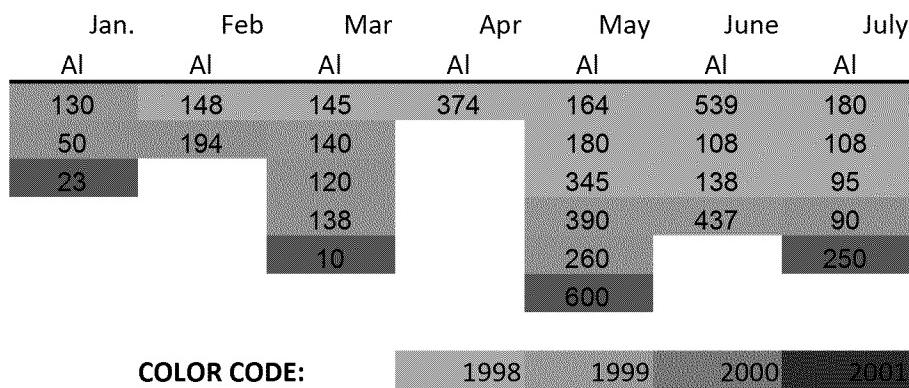
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06/26/96

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08/07/96

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09/25/97	124.3
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12/17/1997	
12/23/97	114.4
01/07/98	-1.0
2/4/1998	-9.0
02/12/98	147.8
3/4/1998	
03/05/98	-1.0
03/16/98	145.3
3/18/1998	
4/1/1998	
04/08/98	
4/15/1998	
04/23/98	374.3
4/29/1998	
5/5/1998	
05/06/98	163.6
05/07/98	180.0
5/13/1998	
5/20/1998	
5/27/1998	
05/29/98	344.8
06/02/98	538.8
6/3/1998	
06/09/98	108.3
6/10/1998	
06/10/98	
6/17/1998	
6/17/1998	
6/24/1998	
06/24/98	137.5
07/01/98	180.0
07/09/98	107.9



COLOR CODE: 1998 1999 2000 2001

All red font are averages of same day samples

7/15/1998	
7/22/1998	
07/22/98	95.4
08/05/98	
8/26/1998	
9/2/1998	160.0
09/09/98	-1.0
9/16/1998	
09/30/98	127.1
10/07/98	
11/03/98	-1.0
11/18/1998	
12/02/98	
01/06/99	130.0
01/06/99	130.0
02/04/99	
02/17/99	0.0
2/24/1999	-9.0
03/03/99	140.0
3/17/1999	-9.0
4/1/1999	-9.0
04/07/99	
4/26/1999	-9.0
04/29/99	0.0
05/06/99	390.0
06/09/99	
6/23/1999	437.0
07/07/99	
8/4/99	180.0
8/4/1999	180.0
08/19/99	
9/1/99	100.0
9/16/1999	172.0
10/06/99	
10/14/1999	418.0
11/3/99	140.0
11/17/1999	166.0
12/01/99	
1/5/00	<100
02/02/00	
2/28/2000	194.0
3/1/00	120.0
3/15/2000	138.0
04/05/00	
5/3/00	260.0
06/07/00	
7/5/00	90.0

08/02/00	
9/6/00	210.0
10/04/00	
11/1/00	190.0
12/06/00	
1/3/01	<45
02/07/01	
3/14/01	<20
04/04/01	
5/2/01	600.0
06/06/01	
7/6/01	<500
08/01/01	
9/5/01	<100
10/03/01	
11/7/01	<100
12/05/01	
1/2/02	<500
3/6/02	<100
04/03/02	
05/01/02	
6/5/02	23.0
6/27/2002	81.0
7/3/02	<100
7/17/2002	136.0
08/07/02	
8/14/2002	80.0
9/4/02	70.0
9/18/2002	86.0
10/02/02	
10/25/2002	77.0
11/6/02	101.0
11/12/2002	121.0
12/04/02	
12/8/2002	147.0
1/8/2003	157.0
1/9/2003	108.0
2/1/2003	124.0
02/05/03	
3/9/2003	164.0
4/24/2003	181.0
5/7/2003	104.0
5/7/2003	140.5
6/2/2003	328
7/2/2003	80.0
7/2/2003	59.0
8/14/2003	569.0

9/11/2003	289.0
9/11/03	309.0
10/4/2003	133.0
11/6/03	150.0
12/29/2003	147.0
3/3/2004	128.0
3/3/04	127.0
4/16/2004	404.0
5/5/2004	383.0
5/5/04	381.0
5/28/2004	348.0
6/17/2004	170.0
7/7/2004	120
7/7/04	102.0
8/19/2004	159.0
9/1/04	134.0
9/15/2004	132
10/14/2004	120.0
11/10/04	115.0
11/10/04	119.0
12/08/04	117.0
01/20/05	123.1
02/15/05	278.2
03/02/2005	220
03/13/05	298.6
04/09/05	356.4
05/04/05	283.7
05/04/2005	306
6/9/2005	252
7/6/2005	133
07/06/2005	144
8/10/05	108
9/14/05	95
9/14/05	95
9/15/2005	110
10/13/05	184
11/2/05	113
11/2/2005	126
12/20/05	135
1/6/06	131
01/06/2006	137
2/8/06	213
3/7/06	213
3/15/06	162
03/15/2006	173
4/5/06	162
4/5/06	317

5/10/06	145
05/10/2006	160
05/16/2006	
6/6/06	317
6/6/06	272
7/12/06	142
07/12/2006	141
8/2/06	272
8/2/06	161
9/6/06	142
9/6/06	27
09/06/2006	109
10/11/06	194
11/1/06	133
11/01/2006	166
12/5/06	119
1/11/07	130
2/6/07	170
3/7/07	126
03/07/2007	137
4/2/07	200
4/2/2007	200
05/11/2007	246
5/11/2007	202
6/5/2007	339
6/14/07	160
07/11/2007	105
7/11/2007	131
8/6/2007	650
09/05/2007	100
9/5/2007	141
10/25/2007	152
10/25/2007	152
11/07/2007	108
12/5/2007	132
01/02/08	97.0
1/2/2008	20
03/12/08	273.0
4/10/2008	530
05/07/08	301.0
5/7/2008	260
6/3/2008	1119
07/09/08	146.0
7/9/2008	126
8/5/2008	116
09/03/08	102
9/3/2008	100

	Jan.	Feb	Mar	Apr	May	June	July
	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al	Trec Al
1/11/07	130	170	131.5	200	224	339	118
2/6/07	170	269	273.0	530	280.5	160	136.0
3/7/07	126	75	176	234	341	1542.5	1119
03/07/2007	137	196	368	1010	145	117	
4/2/07	200	177	317	149.5	165	66.5	
4/2/2007	200	188.5	454	308	350.5	50.0	
05/11/2007	246	275	447	299	140		
5/11/2007	202			540	217		
6/5/2007	339						
6/14/07	160						
07/11/2007	105						
7/11/2007	131						
8/6/2007	650						
09/05/2007	100						
9/5/2007	141						
10/25/2007	152						
10/25/2007	152						
11/07/2007	108						
12/5/2007	132						
01/02/08	97.0						
1/2/2008	20						
03/12/08	273.0						
4/10/2008	530						
05/07/08	301.0						
5/7/2008	260						
6/3/2008	1119						
07/09/08	146.0						
7/9/2008	126						
8/5/2008	116						
09/03/08	102						
9/3/2008	100						

COLOR CODE:

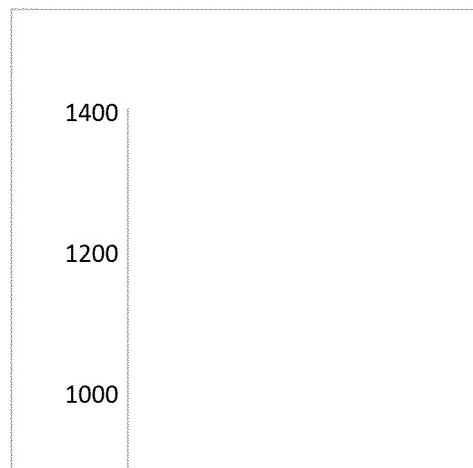
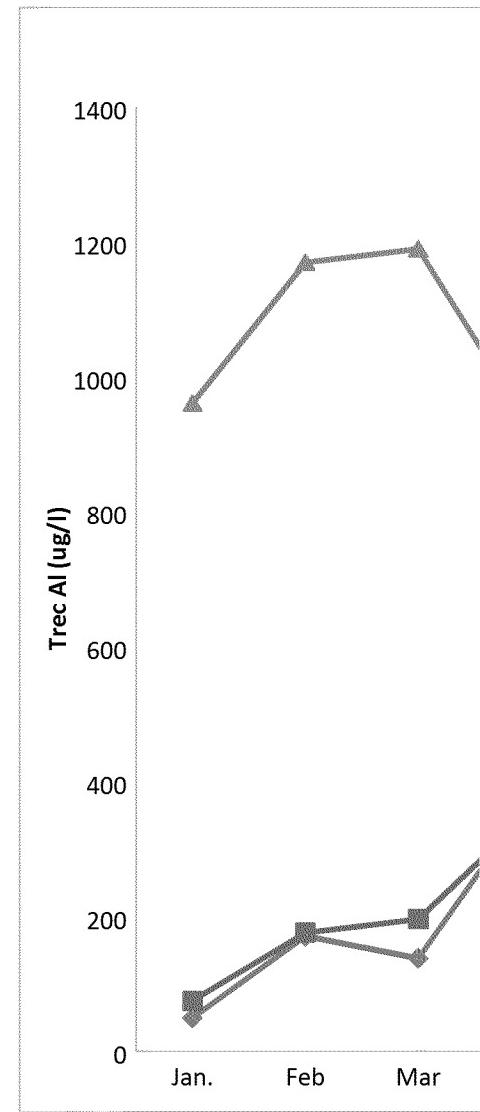
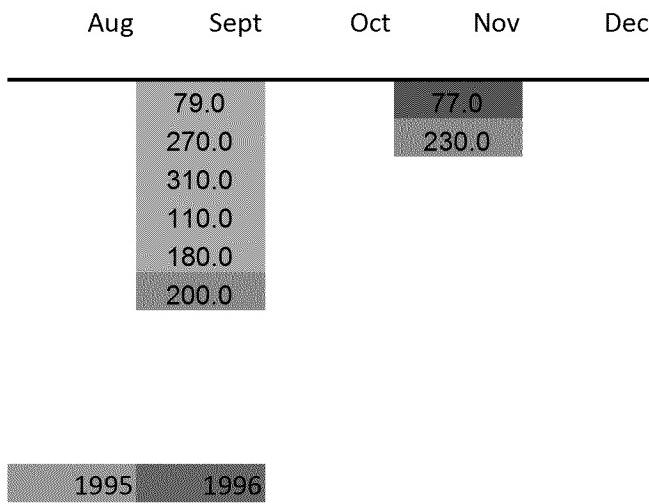
2007	2008	2009
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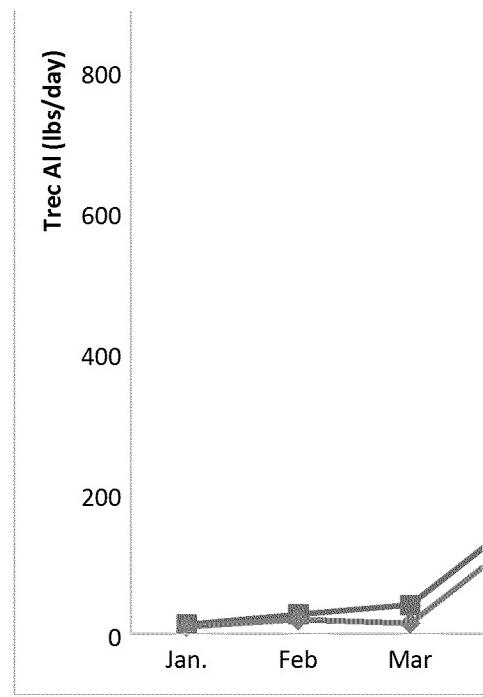
All red font are averages of same day samples

10/6/2008	119
11/07/08	138.0
11/7/2008	80
12/3/2008	128
3/4/2009	243
3/4/2009	225
4/6/2009	341
5/13/2009	1630
5/13/2009	1455
05/19/09	1010
6/2/2009	145
06/16/09	165
7/8/2009	96
7/8/2009	75
07/14/09	117
8/12/2009	68
08/18/09	120
9/16/2009	181
9/16/2009	87
09/22/09	134
10/5/2009	124
11/4/2009	120.0
11/5/2009	181
11/17/09	189
12/1/2009	140
2/17/2010	269
3/2/2010	196
3/17/2010	177
4/13/2010	368
4/16/2010	317
5/5/2010	140.0
5/5/2010	159
6/2/2010	348
6/2/2010	353
7/8/2010	60.0
7/8/2010	73
7/13/2010	<100
8/10/2010	158
9/9/2010	90.0
9/9/2010	88
9/14/2010	124
10/4/2010	78
11/2/2010	101
11/3/2010	80.0
11/3/2010	79
12/7/2010	115
1/5/2011	75

1/5/2011	9.0
2/11/2011	176
3/9/2011	93
3/9/2011	280
03/15/11	275
4/6/2011	454
5/4/2011	308
5/8/2011	447
6/3/2011	299
06/14/11	540
7/5/2011	140
07/19/11	217
8/1/2011	76
08/16/11	<100
9/7/2011	52
9/7/2011	72
09/13/11	<100
10/7/2011	107
10/18/11	<100
11/2/2011	96
11/2/2011	96
12/7/2011	161
	69.0

No Date

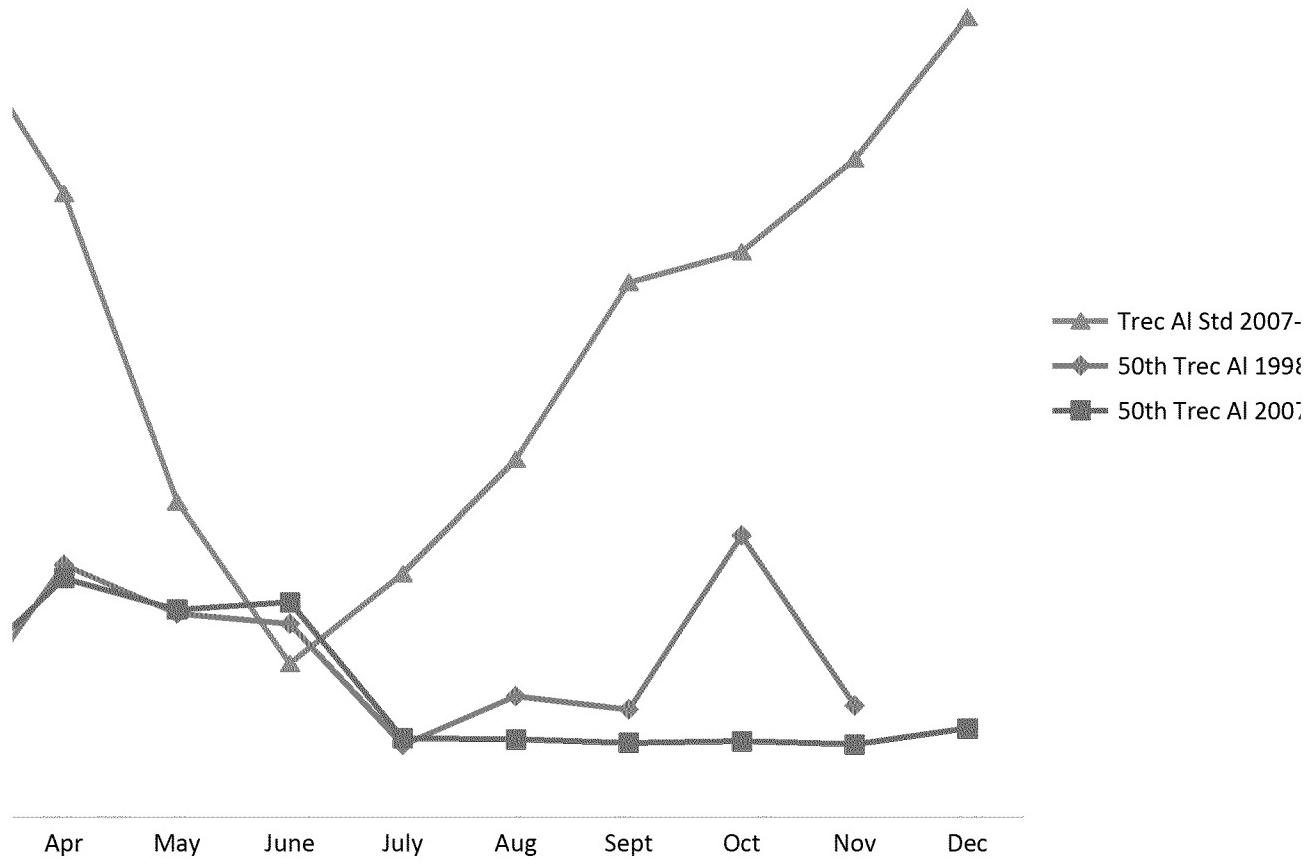




Aug	Sept	Oct	Nov	Dec	Jan.
AI	AI	AI	AI	AI	
180	160	418	140		50
	127		166		68
	100		190		181
	172				Trec AI Std 1998-2001
	210				1098
					Ave. monthly flows 1998-2001 (cfs)
					27.6
					Trec AI Load 1998-2001 lbs/day
					10

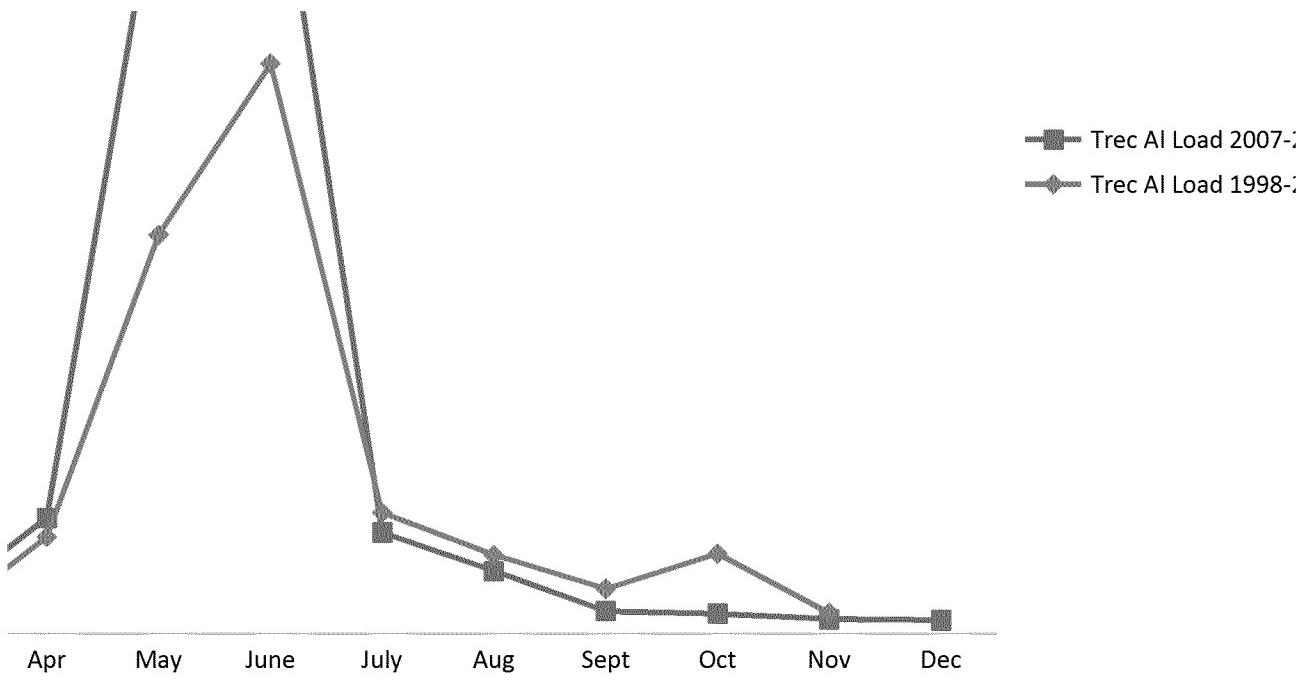
	Aug	Sept	Oct	Nov	Dec	
Trec Al	650	120.5	152	108	132	Jan.
116	101.0	119	109.0	128		50th Trec Al 2007-2011
68	134	124	120	140		Ave. Trec Al 2007-2011
120	134	78	181	115		Hardness 2007-2011
158	89.0	107	189	161		Trec Al Std 2007-2011
76	124	50	101			Ave. monthly flows
50	62	79.5	98			2007-2011 (cfs)
	50					Trec Al Load 2007-2011
						lbs/day
	2010	2011				

Trec Al Conc. At A68



Trec Al Load at A68





Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
171	138	374	302	287	108	180	160	418	166
171	111	374	323	305	145	180	154	418	165
193	166	207	87	66	71	117	129	146	115
87	978	87	87	87	87	87	690	823	593
22.1	25.7	68.5	325.6	492.3	220.6	115.6	77.3	50.5	33.4
20	15	138	567	811	172	112	64	114	30

Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov
176	196	355	308	319	118	116	111	113	109
205	210	368	566	390	116	177	102	105	123
189	192	159	97	57	80	106	142	148	166
1170	1190	925	468	228	362	531	793	838	976
25.2	36.1	82.9	356.4	565.1	230.0	93.7	59.0	51.2	31.9
28	41	165	1087	1187	144	89	32	29	21

2011
3-2001
7-2011

2011

2001

Dec

204
87

Dec
132
135
191
1186

26.8

19

